GEOLOGICAL SURVEY OF CANADA

[illegible]

LIST OF PLANTS

OF

MANITOULIN ISLANDS,

LAKE HURON

JOHN BELL, M.A., M.D.

[illegible]

[illegible]

MONTREAL

[illegible]

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ALFRED R. C. SELWYN, DIRECTOR.

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(Appendix to the Reports of the Geological Survey of the Dominion of Canada, 1867-69.)

MONTREAL:
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APPENDIX

ON THE PLANTS OF THE MANITOULIN ISLANDS

BY

JOHN BELL, M.A., M.D.

The plants whose names are contained in the following list were collected during the summer of 1866,[*] while I [illegible] my brother on a geological survey [illegible] of some of the islands of the Manitoulin group. The list is a very incomplete one of the flora of the district examined, as the collection of plants was made [illegible] proper work of the expedition. [illegible] from several [illegible] purposes [illegible] selected at various stations, from Owen Sound northward, to enable some of the [illegible] flora, and [illegible] specimens, to ascertain the range of many plants in that interesting region.

Most of the plants were collected on Cockburn, Drummond and St. Joseph islands, the geological survey of which was the object of the expedition. Some of the [illegible] a [illegible] and a visit to Gore Bay on the north side of Grand Manitoulin Island, enabled me to obtain some rare species from that point, and from the interior of the island to the south and south-east of it. We were detained a few days at Owen Sound previous to starting, [illegible] collected plants in different localities, and found several rare species of ferns growing [illegible] and in abundance on [illegible] the limestone escarpment to the south-west of the town. A number of plants were also obtained at the Bruce Mines, and in the vicinity, on the [illegible].

The physical geography of the several islands [illegible] and therefore differ [illegible] in their [illegible] vegetation. St. Joseph Island is, for the greater part of its extent, somewhat elevated, consisting apparently of limestone and gravel, covered [illegible] with a layer of vegetable mould. The land rises gradually from the shore towards the middle of the island. Nearly in the centre, however, there is a depression, the bottom of which is occupied by a small lake. On the dry gravelly soil of St. Joseph [illegible] a very heavy growth of hard-wood forest was found, consisting of beech, hard maple, hemlock, iron-wood, black and yellow birch, with [illegible] straggly [illegible] pine. [illegible] on the lower ground they were almost replaced by black ash, cedar, balm-of-Gilead and aspen-poplar, the tamarack, elm, mountain-ash, and many other [illegible] and shrubs [illegible]. The red elder was very conspicuous by its abundance and the production of [illegible] of bright scarlet berries. From the circumstance that this island lies immediately in the course of both the American and Canadian steamers and sailing vessels, large quantities of cord-wood are cut on it and sold to them. In the future there is no doubt that the timber of this island will be of great use to the farmers and [illegible] St. [illegible].

In traversing across the island from Hilton township, on the north side, to [illegible], on the south, we made the [illegible] the list plants mentioned as having been found at these places, and [illegible] of the island were collected [illegible] and the [illegible] boating day. The plants from the Rocky Mines were collected on the 26th July and 12th August. We visited the small islands at the east end of St. Joseph on July 29th, and Hay Point, on the south side, on the 1st September.

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[*] See Report by Mr. Robert Bell, page [illegible].

Drummond Island, the next to the west of St. Joseph by a northward curve in the international boundary line, is included in the territory of the United States. The level of this island is lower than that of the others, and the land is to a large extent, flat and swampy, the trees being for the most part aspen, balsam, tamarack, and spruce. On the north side the island is more hilly than on the south, and on that side heavier forests are seen [illegible] on the south, the principal trees being hard maple, beech, basswood, ironwood, balsam-fir, poplar and white cedar, with some white pine. In many places the flat limestone rocks come to the surface, and support only a sparse, stunted growth of fir, with patches of moss and lichen between, while in others a dense thicket of fir and spruce covers a swamp or borders a creek.

The plants obtained from the north-west portion of Drummond Island were collected between the 31st July and 2nd August, and those from the south-east corner on the 4th August, while the collections from Sitgreaves Cove, on the north side of the island were made on the 6th August, and those from Warsaw and Milford Harbours, on the north-west part, on the 20th and 21st August.

From the lake the aspect of the land on Drummond and Cockburn Islands is quite different. High land, covered with hard wood, runs through the centre of Cockburn Island which lies between Drummond and the Grand Manitoulin, having on the west side of it the False Detour Channel and on the east the Strait of Mississagua. Towards the shores of the island firs are most numerous. The whole of the forest on this island is much heavier than that of its more level neighbour. The eastern side of the island is undulating or hilly, the valleys running in a south-westerly direction. The most noticeable characteristic of the forest on this island is the quantity of red pine (*Pinus resinosa*) which occurs in it. Few of the trees seen of this species were very large, but in places they are very numerous (particularly on the hill in the rear of the south-west point of the island) and large enough for making long timber for frames of houses.

Collections of plants were made on this island at the following dates:—South-west point of the island, August 9th; beaches and marsh [illegible] of the island, August 9th and 10th; Thompson Point, August [illegible] [illegible]; Marbelle and Hyrum Point, on the east side, August [illegible]; the Cockburn Island in the False Detour Channel, August [illegible].

Cape Hurd [illegible] Manitoulin Island was visited on the 17th July and Gore Bay [illegible] north [illegible] on the 5th August. The forest south of Gore Bay resembles very much that of Cockburn Island. A good many white-pine trees were seen in the [illegible] of Gore Bay and red pine occurs towards Lake Kagawong and also [illegible] of the island. Fires have passed through a large part of [illegible] and [illegible] Gore Bay killing the trees and causing them to fall. Lying across one another [illegible] have decayed [illegible] filled up with humus soil and a rank growth [illegible] *Epilobium angustifolium*), which [illegible] abundantly [illegible] and [illegible] a [illegible] pleasant [illegible]. The marsh at the foot of Gore Bay and the high cliffs [illegible] a number of rare plants.

[illegible] Island is small, flat and sandy, with two marshy ponds in the centre, and [illegible] the north of the [illegible] with trees, and the rest is made up of sand-ridges partially covered with vegetation. It was visited on the 21st July.

W[illegible] Island of the charts (locally known as Whiskey Islands), at the mouth of Wequamikong Bay, east end of Grand Manitoulin, was landed on on July 19th and September [illegible]. This island like others in its neighbourhood, is low and flat, and is all wooded with the exception of an open sandy space at its western extremity on which I found several exotic species of plants, and which, from the bones [illegible] it may have been an Indian burying-place.

In these remote settlements the growth of foreign weeds should be kept in check, and even to outstrip them in their advances into the forest [illegible] suggested, as much might be done, by careful selection of seed-grain and [illegible] exclude many noxious weeds from these new and isolated settlements.

To Professor Asa Gray of Harvard University I am much indebted for his kindness in determining the species of several of the plants in the following list:—

RANUNCULACEÆ.

1. *Clematis Virginiana*, L.—South of Gore Bay, Grand Manitoulin Island.
2. *Anemone multifida*, DC.—Drummond Island.
3. " *Virginiana*, L.—S. W. extremity of Cockburn Island, and at Sandy Bay on the north side, Gore Bay, Grand Manitoulin Island.
4. " *Pennsylvanica*, L.—Owen Sound, Mississagui Island, Bruce Mines, middle of St. Joseph Island, S. W. corner of Cockburn Island, Sidgrave's Cove, Drummond Island, Gore Bay.
5. *Hepatica triloba*, Chaix.—McLeod's Harbour, E. end Cockburn Island, Tecumseh Harbour, Drummond Island.
6. " *acutiloba*, DC.—Owen Sound.
7. *Thalictrum Cornuti*, L.—Owen Sound, Mississagui Island.
8. *Ranunculus aquatilis*, L. Var. *divaricatus*, Gray.—Owen Sound, Sandy Bay, N. side of Cockburn Island, Gore Bay.
9. " *Flammula*, L., Var. *reptans*, L.—Whiskey or William Island, S. end of Grand Manitoulin Island, Mississagui Island, E. end of St. Joseph Island, Drummond Island, Gore Bay.
10. " *sceleratus*, L.—Owen Sound.
11. " *recurvatus*, Poir.—Owen Sound.
12. " *Pennsylvanicus*, L.—Little Current, Bruce Mines, centre of St. Joseph Island, S. W. corner of Cockburn Island, Gore Bay.
13. " *repens*, L.—Owen Sound, Sidgrave's Cove, Drummond Island, Gore Bay.
14. " *acris*, L.—Bruce Mines.
15. *Caltha palustris*, L.—Owen Sound, banks of the lake in the centre of St. Joseph Island, Cockburn Island, Drummond Island.
16. *Coptis trifolia*, Salisb.—Hilton Village or Townplot, St. Joseph's Island, McLeod's Harbour, Cockburn Island.
17. *Aquilegia Canadensis*, L.—Owen Sound, Sidgrave's Cove, Drummond Island, McLeod's Harbour.
18. *Actæa spicata*, L. Var. *rubra*.—Owen Sound, Hilton Lake, centre of St. Joseph Island, Cockburn Island, Drummond Island.
Var. *alba*.—Owen Sound.

NYMPHÆACEÆ.

19. *Nymphæa odorata*, Ait.—Sandy Bay, Cockburn Island.
20. *Nuphar advena*, Ait.—Owen Sound, Drummond Island, Thompson's Point, N. side of Cockburn Island, McLeod's Harbour.

SARRACENIACEÆ.

21. *Sarracenia purpurea*, L.—Drummond Island, McLeod's Harbour, Cockburn Island.

PAPAVERACEÆ.

22. *Sanguinaria Canadensis*, L.—Centre of St. Joseph Island.

FUMARIACEÆ.

23. *Adlumia cirrhosa*, Raf.—Gore Bay. Growing thirty ft. high.
24. *Corydalis aurea*, Willd.—Cockburn Island, S.W. corner, and McLeod's Harbour, E. end.
25. " *glauca*, Pursh.—Richardson's, south side, St. Joseph Island, S. W. corner and McLeod's Harbour, Cockburn Island, Ridgway's Cove, Drummond Island.

CRUCIFERÆ.

26. *Nasturtium officinale*, R. Br.—Owen Sound. Of large size, and growing in great quantities in a spring brook.
27. " *palustre*, DC.—Owen Sound, Whiskey Island, Mississagui Island, Bruce Mines.
28. *Dentaria diphylla*, L.—Owen Sound.
29. *Cardamine pratensis*, L.—Whiskey Island.
30. " *hirsuta*, L.—Cockburn Island, Owen Sound.
31. *Arabis lyrata*, L.—Cockburn Island.
32. *Turritis glabra*, L.—Whiskey Island.
33. " *stricta*, Graham.—Whiskey Island, Mississagui Island.
34. *Barbarea vulgaris*, R. Br.—Mississagui Island, Richardson's, S. side of St. Joseph Island, Cockburn, Drummond, and Whiskey Islands.
35. *Sisymbrium officinale*, Scop.—Owen Sound.
36. " *canescens*, Nutt.—Whiskey Island.
37. *Lepidium Virginicum*, L.—Owen Sound, Whiskey Island, Little Current.
38. *Capsella bursa-pastoris*, Moench.—Owen Sound, Bruce Mines.
39. *Cakile Americana*, Nutt.—Cockburn Island, S. W. point, and McLeod's Harbour.

VIOLACEÆ.

40. *Viola blanda*, Willd.—Middle of St. Joseph Island, McLeod's Harbour, Cockburn Island.
41. " *Selkirkii*, Goldie.—McLeod's Harbour.
42. " *cucullata*, Ait.—Owen Sound, St. Joseph Island, Cockburn Island, Gore Bay.
43. " *rostrata*, Pursh.—Owen Sound.
44. " *Muhlenbergii*, Torr.—McLeod's Harbour.
45. " *Canadensis*, L.—Owen Sound, centre of St. Joseph Island.
46. " *pubescens*, Ait.—Owen Sound, Gore Bay, Vermont Harbour, Drummond Island.

DROSERACEÆ.

47. *Drosera rotundifolia*, L.—Drummond Island, S.W. point, and McLeod's Harbour, Cockburn Island.
48. " *linearis*, Goldie.—In same localities as last.

PARNASSIACEÆ.

49. *Parnassia palustris*, L.—Drummond Island.
50. " *Caroliniana*, Michx.—McLeod's Harbour, Cockburn Island, Drummond Island.

HYPERICACEÆ.

51. *Hypericum mutilum*, L.—Mississagui Island, E. end of St. Joseph Island, Vermont Harbour, Drummond Island.
52. " *Kalmianum*, L.—Whiskey, Mississagui, Cockburn and Drummond Islands. Common on the shores.

53. *Elodea Virginica*, Nutt.—Mississagui Island, marsh near a small lake in the middle of St. Joseph Island, Thompson Point and McLeod Harbour, Cockburn Island.

CARYOPHYLLACEÆ

54. *Silene antirrhina*, L.—Mississagui Island.
55. " *noctiflora*, L.—Bruce Mines, Hilton Village.
56. *Agrostemma Githago*, L.—Richardson's, S. side of St. Joseph Island.
57. *Sagina nodosa*, Fenzl.—Drummond Island, S.W. point, and McLeod's Harbour, Cockburn Island.
58. *Arenaria serpyllifolia*, L.—Owen Sound, Edgeware Cove, Drummond Island.
59. *Stellaria longifolia*, Muhl.—Centre and S. side of St. Joseph Island.
60. " *borealis*, Bigelow.—Richardson's, St. Joseph Island.
61. *Cerastium viscosum*, L.—Bruce Mines, Hilton.
62. " *arvense*, L.—Drummond Island.

TILIACEÆ

63. *Tilia Americana*, L.—Owen Sound, centre of St. Joseph Island, Cockburn Island (N. side), Gore Bay, Vermont Harbour, Drummond Island.

OXALIDACEÆ

64. *Oxalis acetosella*, L.—Owen Sound.
65. " *stricta*, L.—Owen Sound.

GERANIACEÆ

66. *Geranium Robertianum*, L.—Owen Sound, Whiskey Island, Bruce Mines, Drummond and Cockburn Islands.

BALSAMINACEÆ

67. *Impatiens fulva*, Nutt.—Mississagua, Drummond, Cockburn and St. Joseph Islands, Gore Bay.

ANACARDIACEÆ

68. *Rhus typhina*, L.—Cape Smyth, S. end of Grand Manitoulin Island, Whiskey Island, S.W. point, and McLeod's Harbour, Cockburn Island, Mississagui and Drummond Islands.
69. " *Toxicodendron*, L., Common.—Cape Smyth, McLeod's Harbour, Whiskey Island, Mississagui Island, S.W. points of Drummond and Cockburn Islands.
70. " *aromatica*, Ait.—Whiskey Island. Some years ago I collected this plant on Wolfe Island, opposite Kingston.

RHAMNACEÆ

71. *Rhamnus alnifolia*, L'Her.—Drummond Island, Thompson Point and McLeod's Harbour, Cockburn Island.
72. *Ceanothus ovalis*, Bigelow.—Gore Bay, Grand Manitoulin Island.—Growing abundantly near the edge of the cliff on the E. side of the bay, near its mouth.

CELASTRACEÆ

73. *Celastrus scandens*, L.—Owen Sound.

SAPINDACEÆ.

74. *Acer Pennsylvanicum*, L.—Hilton, S.W. of Cockburn Island, Gore Bay, Vermont Harbor.
75. " *spicatum*, Lam.—Owen Sound, Hilton, Cockburn Island, Gore Bay.
76. " *saccharinum*, Wang.—Owen Sound, Hilton, Cockburn Island, Gore Bay, Vermont Harbour.
77. " *rubrum*, L.—Centre of St. Joseph Island, S. end of same island, S.W. point on Cockburn Island, Gore Bay.

POLYGALACEÆ.

78. *Polygala Senega*, L.—Drummond Island, N.E. corner.
79. " *polygama*, Walt.—Drummond Island.
80. " *paucifolia*, Willd.—Cockburn and Drummond Islands.

LEGUMINOSÆ.

81. *Trifolium pratense*, L.—Cockburn Island, Owen Sound.
82. " *repens*, L.—Owen Sound, Bruce Mines.
83. *Astragalus Canadensis*, L.—E. end of [illegible] Island.
84. " *Cooperi*, Gray.—Whiskey Island, Gore Bay.
85. *Lathyrus maritimus*, Bigelow.—Hilton, Mississagi Island.
86. " *palustris*, L.—Owen Sound, E. end of Grand Manitoulin Island, lake in the middle of St. Joseph Island, Hilgrave Cove, Roland's Harbour.
87. " *myrtifolius*, Muhl.—Cockburn Island, Gore Bay.
88. *Amphicarpæa monoica*, Nutt.—Owen Sound.

ROSACEÆ.

89. *Prunus Americana*, Marsh.—Whiskey Island.
90. " *pumila*, L.—Common on the shores of Whiskey, Mississagi, Drummond and Cockburn Islands.
91. " *Pennsylvanica*, L.—Mississagi Island, Hilton, Whiskey Island S.W. point, and Roland's Harbour, Cockburn Island, Hilgrave Cove.
92. " *Virginiana*, L.—St. Joseph, Drummond, Mississagi, Cockburn, and Whiskey (or Wilson) Islands.
93. *Spiræa opulifolia*, L.—Whiskey, Mississagi, Drummond, and Cockburn Islands.
94. " *salicifolia*, L.—Mississagi Island.
95. *Agrimonia Eupatoria*, L.—Owen Sound, S. end of St. Joseph Island.
96. *Geum album*, Gmelin.—Owen Sound.
97. " *strictum*, Ait.—Owen Sound, Mississagi and Whiskey Islands, Hilton.
98. " *rivale*, L.—Owen Sound.
99. *Waldsteinia fragarioides*, Tratt.—Cockburn Island and Gore Bay.
100. *Potentilla Norvegica*, L.—Owen Sound, Mississagi Island, Hilton, Drummond and Cockburn Islands.
101. " *Anserina*, L.—Owen Sound, Whiskey Island, Mississagi Island, Bruce Mines, W. side of Drummond Island, Hilton, Cockburn Island, Hilgrave Cove.
102. " *fruticosa*, L.—Drummond and Cockburn Islands.
103. " *palustris*, Scop.—Mississagi Island, Bruce Mines, Drummond Island, W. side of Hilgrave Cove, Thompson Point.
104. *Fragaria Virginiana*, Ehrhart.—Hilton, Mississagi Island.
105. " *vesca*, L.—Owen Sound, Richardson's, St. Joseph Island.

116. *Dalibarda repens*, L.—Gore Bay. Only the leaves could be found.
117. *Rubus odoratus*, L.—Middle of St. Joseph Island.
118. " *triflorus*, Richards.—[illegible] Owen Sound.
119. " *strigosus*, Mich.—Owen Sound, Manitoulin Island, Bruce Mines, Hilton, Cockburn and Drummond Islands.
120. " *occidentalis*, L.—Owen Sound.
121. " *villosus*, Ait.—Owen Sound, Manitoulin Island, Bruce Mines, Hilton.
122. *Rosa Carolina*, L.—Whiskey Island.
123. " *lucida*, Ehrhart.—Cape Smyth.
124. " *blanda*, Ait.—Manitoulin Island, Cape Smyth, Whiskey Island, centre of St. Joseph Island, Drummond and Cockburn Islands.
125. " *nitida*, Willd.—Whiskey Island.
126. *Crataegus crus-galli*, L.—Whiskey Island.
127. *Pyrus arbutifolia*, L.—Border of the lake in the centre of St. Joseph Island, Thompson Point, Cockburn Island.
128. " *Americana*, DC.—Hilton, middle of St. Joseph Island, S.W. point of Cockburn Island.
129. *Amelanchier Canadensis*, Torrey & Gray.—Beside a lake in the middle of St. Joseph Island, S.W. point of Cockburn Island, Ridgeway Cove, Whiskey Island.

ONAGRACEÆ.

130. *Epilobium angustifolium*, L.—Very common and luxuriant throughout these islands, Owen Sound, Manitoulin, Whiskey, Drummond and Cockburn Island, Bruce Mines. In the brulés or burnt woods S. of Gore Bay this plant grows to the height of six or seven feet, and was so thick and in such quantities as to make walking exceedingly difficult.
131. " *coloratum*, Muhl.—Gore Bay, W. end of Drummond Island, Hilton, Cockburn Island, Bruce Mines, Ridgeway Cove.
132. *Œnothera biennis*, L.—Owen Sound, Cape Smyth, Whiskey and Manitoulin Islands, Ridgeway Cove, S.W. point of Cockburn Island.
133. " *pumila*, L.—Manitoulin Island.
134. *Ludwigia palustris*, Ell.—Owen Sound.
135. *Circaea alpina*, L.—Owen Sound and Hilton.
136. *Myriophyllum spicatum*, L.—Sandy Bay.
137. *Hippuris vulgaris*, L.—Gore Bay, Vernon Harbour.

GROSSULACEÆ.

138. *Ribes Cynosbati*, L.—Owen Sound.
139. " *hirtellum*, Michaux.—Manitoulin, Cockburn and Drummond Islands, Gore Bay.
140. " *lacustre*, Poir.—Owen Sound, middle of St. Joseph Island, S.W. point, and McLeod's Harbour, Cockburn Island, Gore Bay.
141. " *prostratum*, L'Her.—Owen Sound, Gore Bay.
142. " *floridum*, L.—Owen Sound, Gore Bay.
143. " *rubrum*, L.—Gore Bay, Hilton, Owen Sound.

SAXIFRAGACEÆ.

144. *Mitella diphylla*, L.—Owen Sound.
145. " *nuda*, L.—Owen Sound, Hilton, Drummond Island.
146. *Tiarella cordifolia*, L.—Owen Sound.

UMBELLIFERÆ.

137. *Hydrocotyle Americana*, L.—Wilson.
138. *Sanicula Marilandica*, L.—Owen Sound, Hidgrave Cove.
139. *Heracleum lanatum*, Michx.—Mississaga Island.
140. *Pastinaca sativa*, L.—E. end of St. Joseph Island, W. side of Drummond Island.
141. *Cicuta maculata*, L.—Mississagui Island, S.E. part of Cockburn Island, Hidgrave Cove, Vermont Harbour.
142. *Osmorrhiza longistylis*, DC.—Owen Sound.
143. " *brevistylis*, DC.—Owen Sound, St. Joseph Island.

ARALIACEÆ.

144. *Aralia racemosa*, L.—Very much in the middle of St. Joseph Island, Vermont Harbour.
145. " *hispida*, Michx.—Mississagui Island, centre of St. Joseph Island, W. side of Cockburn Island.
146. " *nudicaulis*, L.—Owen Sound, Wilson, S.W. corner of Cockburn Island, Hidgrave Cove, Vermont Harbour, Cape Smyth, Manitoulin Island, E. end.

CORNACEÆ.

147. *Cornus Canadensis*, L.—Owen Sound, Mississauga Island, Bruce Mines, Wilson, Gore Bay, Drummond and Cockburn Islands.
148. " *circinata*, L'Her.—Wilson, W. side of Drummond and Cockburn Islands, Hidgrave Cove, Gore Bay.
149. " *sericea*, L.—Small islands at E. end of St. Joseph, McLeod's Harbour.
150. " *stolonifera*, Michx.—Owen Sound, Whiskey and Mississagui Islands, W. sides of Drummond and Cockburn Islands, Hidgrave Cove, McLeod's Harbour, Thompson Point, Gore Bay.
151. " *alternifolia*, L.—Gore Bay, Owen Sound.

CAPRIFOLIACEÆ.

152. *Linnæa borealis*, Gronov.—Mississagui Island, Bruce Mines, W. sides of Cockburn and Drummond Islands, interior of St. Joseph Island.
153. *Symphoricarpus racemosus*, Michx.—Cape Smyth, cliffs on the E. side of Gore Bay, Cockburn Island.
154. *Lonicera parviflora*, Lam.—Owen Sound, Mississagui Id., W. side Drummond and Cockburn Ids., McLeod's Hbr., Hidgrave Cove.
155. " *hirsuta*, Eaton.—Hidgrave Cove, Owen Sound, Mississagui Id.
156. " *ciliata*, Muhl.—Owen Sound, Little Cockburn Id., Wilson, Thompson Pt., McLeod's Hbr., and W. side Cockburn Id.
157. " *oblongifolia*, Muhl.—Thompson Pt., Hidgrave Cove.
158. *Diervilla trifida*, Moench.—Owen Sound, Cape Smyth, Mississagui Id., Bruce Mines, lake in centre of St. Joseph Id., McLeod's Hbr., and S.W. corner Cockburn, Hidgrave Cove.
159. *Triosteum perfoliatum*, L.—Owen Sound.
160. *Sambucus Canadensis*, L.—Owen Sound.
161. " *pubens*, Michx.—Owen Sound, Wilson, and throughout St. Joseph Id., being very abundant in some parts of the interior.
162. *Viburnum opulus*, L.—Gore Bay, Whiskey Isd.

RUBIACEÆ.

63. *Galium triflorum*, Michx.—Owen Sound, Manitoulin Id., Bruce Mines, interior St. Joseph Id.
64 *Mitchella repens*, L.—Owen Sound.

DIPSACEÆ.

165. *Dipsacus sylvestris*, Mill.—Woodstock.

COMPOSITÆ.

166. *Eupatorium purpureum*, L.—Manitoulin Id., interior and S. point St. Joseph Id., various places in Cockburn and Drummond Ids.
167 " *perfoliatum*, L.—Owen Sound, Whiskey Id., Manitoulin Id., Bruce Mines, border of lake in interior St. Joseph Id., W. sides of Cockburn and Drummond Ids., McLeod's Har., Bay Pt., S. side St. Joseph Id.
168 *Nardosmia palmata*, Hook.—Drummond and Cockburn Ids.
169 *Aster macrophyllus*, L.—Cape Smith, interior St. Joseph Id., W. side Cockburn Id., Hilgrove Cove, Vermont Har.
170. *Aster cordifolius*, L.—Bay Point, Hilgrove Cove.
171 " *laevis*, L. Ait.—Bay Point and interior St. Joseph Id., Vermont Har.
172. " *simplex*, Willd.—Bruce Mines, Vermont Har.
173 " *salicifolius*, L.—Bay Point.
174. " *puniceus*, L.—Bay Point, Bruce Mines, Whiskey Id.
175 " *ptarmicoides*, Torr & Gr.—Cockburn Island.
176. *Erigeron Canadense*, L.—Bruce Mines, Hilton, Hilgrove Cove, Gore Bay, Cockburn Id.
177 " *Philadelphicum*, L.—Bruce Mines, Owen Sound, Hilton, Cockburn Id.
178. " *annuum*, Pers.—Owen Sound.
179. " *strigosum*, Muh.—W. [illegible]
180 *Solidago virgaurea*, L.—McLeod's Har.
181 " *altissima*, L.—Bruce Mines.
182 " *Canadensis*, L.—Bruce Mines, Vermont Har., Bay Point.
183 " *gigantea*, Ait.—Whiskey Id.
184. " *lanceolata*, L.—Bruce Mines, Vermont Har., Bay Point.
185. " *Ohioensis*, Riddell.—Cockburn Id., W. side.
186. *Inula Helenium*, L.—Owen Sound.
187 *Rudbeckia hirta*, L.—Richardson's, St. Joseph Island.
188. *Coreopsis lanceolata*, L.—Rocky shore, McLeod's Har.
189 *Bidens chrysanthemoides*, Michx.—Gore Bay.
190 " *Beckii*, Torr.—Vermont Harbour.
191 *Maruta cotula*, DC.—Bruce Mines.
192 *Achillea millefolium*, L.—Williams Id., Manitoulin Id., Bruce Mines, W. side Cockburn Id., Hilgrove Cove, Vermont, Cockburn Id.
193. *Artemisia Canadensis*, Michx.—Cockburn, Manitoulin, and Whiskey Ids., Bruce Mines.
94. *Gnaphalium polycephalum*, Michx.—Manitoulin, Cockburn and St. Joseph Ids., Bruce Mines, Owen Sound.
195. *Senecio aureus*, L.—Richardson's, W. side Drummond Id. Var *oblongifolius*, Cockburn Id.
196. *Cirsium lanceolatum*, Scop.—Hilton.
197 " *Pitcheri*, Torr & Gr.—S.W. corner of Cockburn Id., near Little Cockburn Id.

198. *Cirsium discolor*, Spreng.—Owen Sound.
199. " *muticum*, Michx.—Hilton road, Island S.E. of St. Joseph, Gore Bay.
200. " *pumilum*, Spreng.—Drummond and Cockburn Ids.
201. " *arvense*, Scop.—Hilton. [illegible], *arvense* and [illegible] growing along the shore at Hilton, as recently introduced.
202. *Lappa major*, Gaertn.—Owen Sound, Bruce Mines.
203. *Hieracium Canadense*, Michx.—Bruce Mines, W. side Cockburn Id.
204. *Nabalus albus*, Hook.—Gore Bay.
205. " *racemosus*, Hook.—Sandy Bay, Cockburn Id.
206. *Taraxacum dens-leonis*, Desf.—Owen Sound, Bruce Mines.
207. *Lactuca elongata*, Muhl.—Little Cockburn Id.
208. *Mulgedium leucophaeum*, DC.—Owen Sound, Bruce Mines.

LOBELIACEAE.

209. *Lobelia cardinalis*, L.—Lobelia Lake, centre of Cockburn Id., McLeod's Har.
210. " *Kalmii*, L.—Mississagui Id., S.E. corner of St. Joseph Id., Bidgrave's Cove, McLeod's Har., and S.W. corner of Cockburn.

CAMPANULACEAE.

211. *Campanula rotundifolia*, L.—Common on all the islands.
212. " *aparinoides*, Pursh.—Bruce Mines, border of lake in middle of St. Joseph Id., Drummond Island, Gore Bay, Thompson's Point, McLeod's Har.

ERICACEAE.

213. *Gaylussacia resinosa*, Torr. & Gr.—Three miles N.W. of McLeod's Har.
214. *Vaccinium uliginosum*, L.—Cockburn Id.
215. *Chiogenes hispidula*, Torr. & Gr.—Drummond Id.
216. *Arctostaphylos uva-ursi*, Spreng.—Whitney Id., Mississagui Id., Cockburn Id., M[illegible] Bay, Grand Manitoulin Id.
217. *Epigaea repens*, L.—Drummond Id., W. side Thompson Point, McLeod's Har.
218. *Gaultheria procumbens*, L.—Hilton.
219. *Cassandra calyculata*, Don.—Near the small lake in the interior of St. Joseph Id.
220. *Kalmia glauca*, Ait.—Drummond Id. Var. *rosmarinifolia*, Thompson Point.
221. *Ledum latifolium*, Ait.—W. side Drummond Id., McLeod's Har.
222. *Pyrola rotundifolia*, L.—McLeod's Har.
223. " *elliptica*, Nutt.—Owen Sound, Hilton, Gore Bay.
224. " *chlorantha*, Swartz.—Small island S.E. St. Joseph Id., corner Cockburn Id., McLeod's Har., Gore Bay.
225. " *secunda*, L.—Owen Sound, Gore Bay, Hilton, Cockburn Id.
226. *Moneses uniflora*, Gray.—Near S. side St. Joseph Id.
227. *Chimaphila umbellata*, Nutt.—Mississagui Id., Hilton, Bidgrave's Cove.
228. *Pterospora Andromeda*, Nutt.—N.W. point Drummond Id. on the wooded top of a high [illegible] W. shore [illegible] S. of Gore Bay. Vermont Harbor three miles N. of McLeod's Har. This plant grows in great quantities in many places through the islands.
229. *Monotropa uniflora*, L.—Hilton, Thompson Point, Gore Bay, Bay Pt., S.W. point of Cockburn Id.
230. " *Hypopitys*, L.—Thompson Pt., Gore Bay.

AQUIFOLIACEAE.

231. *Ilex verticillata*, Gray.—Mississagui Id., beside the lake in centre St. Joseph Id., S. side of St. Joseph Id., Drummond Id., Thompson Point, McLeod's Har.

PLANTAGINACEÆ.

232. *Plantago major*, L.—Owen Sound, Gore Bay, Cockburn Id., on the east side of St. Joseph Id. I found several specimens of this plant with a small clasping leaf half-way up the stalk of the spike. [illegible]

PRIMULACEÆ.

233. *Primula farinosa*, L.—Whiskey Id., Mississagui, Drummond and Cockburn Ids.
234. *Trientalis Americana*, Pursh.—Hilton, S.W. point of Cockburn Id.
235. *Lysimachia stricta*, L.—Mississagui Id., shore of lake, middle of St. Joseph Id.
236. *Naumburgia thyrsiflora*, Reichenb.—W. side Drummond Id.

LENTIBULACEÆ.

237. *Utricularia vulgaris*, L.—Vermilion Riv., Sandy Bay.
238. " *intermedia*, Hayne.—Growing on the wet sandy shore of a pond a mile W. of [illegible] Id., E. end of Cockburn Id.
239. " *cornuta*, Michx.—Mississagui Id., small island S.E. of St. Joseph Id., Cockburn Id.

SCROPHULARIACEÆ.

240. *Verbascum Thapsus*, L.—Owen Sound, Bruce Mines, Hilton.
241. *Mimulus ringens*, L.—Mississagui Id., Gore Bay, Owen Sound.
242. *Veronica Virginica*, L.—Gore Bay.
243. " *Americana*, Schwein.—Owen Sound, Hilton.
244. " *scutellata*, L.—Gore Bay.
245. " *arvensis*, L.—Richardson's, E. side of St. Joseph Id.
246. *Gerardia aspera*, Dougl.—Bay E. of [illegible] Point.
247. *Castilleia coccinea*, Spreng.—Common in many places in Drummond and Cockburn Ids., and [illegible] along the shore [illegible] bright yellow flowers.
248. *Melampyrum Americanum*, Michx.—Drummond and Cockburn Ids.

VERBENACEÆ.

249. *Verbena hastata*, L.—Mississagui, St. Joseph and Cockburn Ids., Gore Bay.
250. " *urticifolia*, L.—Between Owen Sound and Leith.
251. *Phryma Leptostachya*, L.—On the E. side of the Pottawatamy River, Owen Sound.

LABIATÆ.

252. *Mentha Canadensis*, L.—Mississagui Id., Bruce Mines, Hilton, [illegible] Dore, Vermilion Riv., Little Cockburn Id.
253. *Lycopus Europæus*, L.—Var. *sinuatus* and *integrifolius*, Owen Sound, Hilton, Drummond and Cockburn Ids.
254. *Calamintha glabella*, Benth.—Var. *Nuttallii*, Gray. On rocks on the shore of Mississagui, Cockburn and Drummond Ids.
255. " *clinopodium*, Benth.—Owen Sound, William (or Whiskey) Id., Wequemakong Bay, E. end of Grand Manitoulin Id., W. end of Drummond Id. and [illegible] Dore.
256. *Monarda fistulosa*, L.—Owen Sound.
257. *Nepeta Cataria*, L.—Owen Sound, interior St. Joseph Id.
258. *Prunella vulgaris*, L.—Common in all the Manitoulin group of islands.
259. *Scutellaria parvula*, Michx.—Whiskey Id., Wequemakong Bay.

240. *Scutellaria galericulata*, L.—Whiskey Id., Mississagi Id., Bruce Mines, border of lake in the interior of St. Joseph Id.
241. " *lateriflora*, L.—Cape Smyth, Bruce Mines, Mississagi and Cockburn Isds., Gore Bay.
242. " *parvula*, Michx.—Owen Sound, Hilton, S.W. point Cockburn Id.
243. *Galeopsis Tetrahit*, L.—Bruce Mines, Hilton.

BORRAGINACEÆ.

244. *Echinospermum Lappula*, Lehm.—Owen Sound, Belgrave Cove.
245. *Cynoglossum officinale*, L.—Owen Sound, Bruce Mines, Hilton.
246. " *Morisoni*, DC.—Owen Sound, Cape Smyth, Whiskey Id., middle of St. Joseph Id., Belgrave Cove.

HYDROPHYLLACEÆ.

247. *Hydrophyllum Virginicum*, L.—Owen Sound.
248. " *Canadense*, L.—Owen Sound.

CONVOLVULACEÆ.

249. *Calystegia sepium*, R. Br.—McLeod's Bay.

SOLANACEÆ.

250. *Solanum nigrum*, L.—Richardson's, St. Joseph Id., Vermont Mine, N.W. corner Drummond Id.
251. *Physalis viscosa*, L.—Gravelly beach S. W. corner Cockburn Id., Round Wood, Gore Bay.

GENTIANACEÆ.

272. *Halenia deflexa*, Griseb.—Mississagi and Drummond Ids.
273. *Gentiana detonsa*, Fries.—Drummond and Cockburn Isds. No specimens on the shore.
274. " *saponaria*, L., var. *linearis*, Gray.—Bruce Mines.
275. *Menyanthes trifoliata*, L.—Marsh of Mississagi Id., S.W. corner of Drummond Id., Thompson Point.

APOCYNACEÆ.

276. *Apocynum androsæmifolium*, L.—Owen Sound, Belgrave Cove.
277. " *cannabinum*, L.—Whiskey Id.

ASCLEPIADACEÆ.

278. *Asclepias Cornuti*, Decaisne.—Owen Sound.
279. " *incarnata*, L.—Whiskey Id., Thompson Point.

OLEACEÆ.

280. *Fraxinus Americana*, L.—Owen Sound, W. side and interior of Cockburn Island, Thompson Pt., McLeod's Bay.
281. " *sambucifolia*, Lam.—S. Mainland, Cockburn Id.

ARISTOLOCHIACEÆ.

282. *Asarum Canadense*, L.—Owen Sound.

CHENOPODIACEÆ.

283. *Chenopodium album*, L.—Richardson's, Vermont Mine.
284. *Blitum capitatum*, L.—Owen Sound, Little Current, interior of St. Joseph Id.

AMARANTACEÆ.

285. *Amarantus paniculatus* L.—Bruce Mines

POLYGONACEÆ.

286. *Polygonum amphibium*, L.—Gore Bay, Thessalon Harbour, Bay Point.
287. " *Pennsylvanicum*, L.—Salgrave Cove.
288. " *persicaria*, L.—Mississagi Id., Hilton, Gore Bay
289. " *hydropiper* L.—Mississagi, Cockburn Id.
290. " *aviculare*, L.—Owen Sound, Bruce Mines.
291. " *cilinode*, Michx.—Drummond Id., 4 mile Cockburn Id., Bay Point.
292. " *sagittatum*, L.—Bruce Mines.
293. *Rumex obtusifolius*, L.—Owen Sound, Bruce Mines, St. Joseph Id.
294. " *crispus*, L.—Owen Sound, Bruce Mines, interior St. Joseph Id., Cockburn.
295. " *hydrolapathum*, (Hudson); var *Americanum* Mississagi Id., Owen Sound, Bruce Mines, Thessalon Harbour
296. " *acetosella*, L.—Mississagi Id., Bruce Mines, Hilton.

THYMELEACEÆ

297. *Dirca palustris*, L.—Interior Cockburn Id. and Isd. off S.E. point St. Joseph

ELÆAGNACEÆ

298. *Shepherdia Canadensis*, Nutt.—Owen Sound, and common throughout these Islands

SANTALACEÆ.

299. *Comandra umbellata*, Nutt.—Walday and Mississagi Ids., Salgrave Cove, S.W. Pt. Cockburn.

CALLITRICHACEÆ.

300. *Callitriche verna*, L.—Gore Bay.

URTICACEÆ

301. *Ulmus fulva*, Michx.—Owen Sound, interior St. Joseph Id.
302. " *Americana*, L.—Salgrave Cove, Gore Bay
303. *Urtica gracilis*, Ait.—Owen Sound, Hilton
304. *Laportea Canadensis*, Gaudich.—Owen Sound

CORYLACEÆ.

305. *Quercus rubra*, L.—St. Joseph and Cockburn Ids.
306. *Fagus ferruginea* Ait.—Hilton village and throughout St. Joseph Id., interior Cockburn Id., Gore Bay, Thessalon Harbour
307. *Corylus rostrata*, Ait.—Hilton, Cockburn Island.
308. *Ostrya Virginica*, Willd.—Hilton, interior Cockburn Id.

MYRICACEÆ

309. *Myrica Gale*, L.—Mississagi, Drummond, Cockburn and St. Joseph Islands, Bruce Mines.

BETULACEÆ.

310. *Betula papyracea*, Ait.—Mississagi Id., Salgrave Cove, Thompson Pt., Gore Bay, S.W. Pt. and interior of Cockburn Id.
311. " *excelsa*, Ait.—Owen Sound, interior of St. Joseph and Cockburn Ids.
312. " *lenta*, L.—Hilton, Gore Bay

313. *Alnus incana*, Willd.—Bruce Mines, Mississagui Id., Border of Lake St. Joseph Id., McLeod's Hbr. and S.W. Pt. Cockburn.

SALICACEÆ

314. *Salix candida*, Willd.—Common marshy grounds, St. Joseph's, Cockburn and Drummond Ids.
315. " *cordata*, Muhl.—Sand beaches, S. side Cockburn Id.
316. " *pedicellaris*, Pursh.—Sand Bay.
317. *Populus tremuloides* Michx.—Gore Bay, Mississagui Id., Milford Bay, St. Joseph Id., Ridgeway Cove, Vermont Hbr.
318. " *grandidentata*, Michx.—Gore Bay, St. Joseph, Cockburn and Drummond Id.
319. " *balsamifera*, L.—Same localities as last.

CONIFERÆ

320. *Pinus resinosa*, Ait.—Common throughout Cockburn Id., Ridgeway Cove, Drummond Id., Gore Bay.
321. " *strobus*, L.—Mississagui, St. Joseph, Drummond, Cockburn Ids. Gore Bay
322. *Abies balsamea*, Marshall.—Mississagui Id., and [illegible] the Manitoulin group.
323. " *Canadensis*, Michx.—St. Joseph Id. some more than three feet in diameter, Cockburn Id., Gore Bay.
324. " *nigra*, Poir.—Cockburn Id.
325. " *alba*, Mich.—[illegible] St. Joseph Id., northern part Cockburn Id. Gore Bay Whiskey Id.
326. *Larix Americana* Michx.—Bruce Mines, and St. Joseph Id. Cockburn Id. McLeod Hbr., Vermont Hbr., Milford Bay.
327. *Thuja occidentalis*, L.—Common from the Grand Manitoulin Id. to Bruce Mines.
328. *Juniperus communis*, L.—Drummond Id., S. W. point and McLeod's Hbr. Cockburn Id.
329. " *Virginiana*, L. Var. *humilis*.—W. sides Drummond and Cockburn Ids.
330. *Taxus baccata*, L. Var. *Canadensis*, Gray.—Bruce Sound, Mississagui Id., Hilton, Little Cockburn Id., Gore Bay, Vermont Hbr.

ARACEÆ

331. *Arisaema triphyllum*, Torr.—Bruce Sound, St. Joseph's Id.
332. *Calla palustris*, L.—Hilton.
333. *Acorus calamus*, L.—Gore Bay Vermont Harbor.

TYPHACEÆ

334. *Typha latifolia*, L.—Mississagui Id. S. end St. Joseph. Gore Bay.
335. *Sparganium ramosum*, Hudson.—Head of Gore Bay
336. " *simplex*, L., Var. *affine*, Prom.—Vermont Harbor

NAIADACEÆ

337. *Potamogeton natans*, L.—Sandy Bay E. side Cockburn Id.
338. " *Robbinsii*, Oakes.—Same place as last.
339. " *pusillus*, L.—With the above in a small sheltered nook of Sandy Bay.
340. " *pauciflorus*, Pursh.—Gore Bay.
341. " *compressus*, L.—Bay Point.
342. " *perfoliatus*, L.—Sandy Bay
343. " *lucens*, Var. *foliosus*, Robb.—Gore Bay
344. " *heterophyllus*, Schreber.—Sandy Bay

ALISMACEÆ

345. *Triglochin maritimum*, L.—Drummond Id., McLeod's Hr., [illegible]
346. *Alisma Plantago*, L.—Owen Sound.
347. *Sagittaria variabilis*, Engelmann, Var. *gracilis*, *obtusa* [illegible] Owen Sound, Gore Bay, Little Cockburn Id.
348. „ *calycina*, Engelm.—Growing at the entrance of [illegible] Creek in Gore Bay

HYDROCHARIDACEÆ

349. *Anacharis Canadensis*, Planchon.—Sandy Bay
350. *Vallisneria spiralis*, L.—Gore Bay, Vermont Bay

ORCHIDACEÆ

351. *Platanthera obtusata*, Lindl.—St. Joseph and Drummond Ids.
352. „ *orbiculata*, Lindl.—Hilton, Drummond Id., Cockburn Id.
353. „ *hyperborea*, Lindl.—Lake interior St. Joseph Id., E. & W. side Drummond Id., Thompson Pt., McLeod Hbr.
354. „ *dilatata*, Lindl.—Drummond Id., W. side Thompson Pt.
355. „ *psycodes*, Gray.—Owen Sound, Drummond Id., Thompson Pt., McLeod Hbr.
356. *Goodyera repens*, R. Br.—Sidgrave Cove, Thompson Pt., Gore Bay
357. „ *pubescens*, R. Br.—Interior St. Joseph Id., Thompson Point, Gore Bay
358. *Spiranthes cernua*, Richard.—Drummond Id., McLeod's Hbr.
359. *Listera convallarioides*, Hook.—Hilton, W. side Cockburn Id.
360. *Corallorhiza multiflora*, Nutt.—Owen Sound, Cockburn Id.
361. *Cypripedium pubescens*, Willd.—Cockburn Id.
362. „ *spectabile*, Swartz.—Thompson Pt.

IRIDACEÆ

363. *Iris versicolor*, L.—Owen Sound, Mississagi Id., Bruce Mines, Cockburn Id.
364. *Sisyrinchium Bermudiana*, L.—Bruce Mines, Cockburn Id.

SMILACEÆ

365. *Trillium erectum*, L.—Interior St. Joseph Id., Gore Bay
366. „ *cernuum*, L.—St. Joseph Id.
367. *Medeola Virginica*, L.—Owen Sound, Hilton

LILIACEÆ

368. *Polygonatum biflorum*, Ell.—Hilton.
369. *Smilacina racemosa*, Desf.—Owen Sound, Hilton, Gore Bay, McLeod Hbr.
370. „ *stellata*, Desf.—Mississagi Id., West side and Sidgrave Cove, Drummond Id., Cockburn Id.
371. „ *trifolia*, Desf.—Bruce Mines, Hilton, Thompson Pt., Gore Bay, McLeod Harbor.
372. „ *bifolia*, Ker.—Mississagi Id., Cockburn Id.
373. *Clintonia borealis*, Raf.—Owen Sound, Mississagi and Cockburn Ids., Hilton
374. *Allium tricoccum*, Ait.—Owen Sound
375. *Lilium Philadelphicum*, L.—West side of Cockburn Id., McLeod's Hbr.

MELANTHACEÆ

376. *Streptopus amplexifolius*, DC.—Hilton
377. „ *roseus* Michx.—Owen Sound, Hilton.
378. *Zygadenus glaucus*, Nutt.—Island Key, Drummond Id., Cockburn Id.

379. *[illegible] [illegible]*, Willd.—Fairview Harbor, Drummond Id. Thompson Pt., McLeod's Har.

PONTEDERIACEÆ.

380. *Pontederia cordata*, L.—Small [illegible] corner St. Joseph Isl., Vermont Harbor.

ERIOCAULONACEÆ.

381. *Eriocaulon septangulare*, Withering.—Bay Point, E side St. Joseph Isl. Very abundant.

CYPERACEÆ.

382. *Scirpus acicularis*, L.—Gore Bay
383. " *compressus*, L.—Thompson Pt
384. " *pungens*, Vahl.—Bay Point.
385. *Eriophorum polystachyon* L. [illegible]
386. " *gracile*, Koch.—Thompson Pt.
387. *Carex aurea*, Nutt.—Whitley Id.

GRAMINEÆ.

388. *Zizania aquatica*, L.—Vermont Har
389. *Panicum capillare*, L.—McLeod Har

EQUISETACEÆ.

390. *Equisetum sylvaticum*, L.—S. W side St. Joseph's Id, Gore Bay
391. " *limosum*, L.—Owen Sound, Gore Bay, Bay Pt.
392. " *hyemale*, L.—Owen Sound, Gore Bay
393. " *variegatum*, Schleicher.—Drummond Id. Cockburn Id., Gore Bay
394. " *scirpoides*, Michx.—Hilton, Gore Bay Drummond Id.

FILICES.

395. *Polypodium vulgare*, L.—Owen Sound, McLeod Har
396. " *Phegopteris*, L.—Hilton.
397. " *Dryopteris*, L.—Owen Sound, Hilton.
398. *Struthiopteris Germanica*, Willd.—Owen Sound, Hilton, Gore Bay
399. *Allosorus gracilis*, Presl.—McLeod Har
400. *Pteris aquilina*, L.—Common from Owen Sound to the Bruce Mines.
401. *Adiantum pedatum*, L.—Owen Sound
402. *Camptosorus rhizophyllus* Link.—Owen Sound.
403. *Scolopendrium officinarum*, Swartz.—Growing in rich soil among loose rocks, at the foot of limestone escarpment, a short distance S W of Owen Sound.
404. *Asplenium Trichomanes*, L.—Owen Sound, McLeod Har
405. " *viride*, Hudson.—Owen Sound. Growing among the moss on the sides of cool moist clefts or gorges in the limestone escarpment mentioned above.
406. " *thelypteroides*, Michx.—Inland St. Joseph Id.
407. " *Filix-foemina*, R. Br.—Whitley Id. St. Joseph Id. Sandy Bay Gore Bay
408. *Cystopteris bulbifera*, Bernh.—Common from Owen Sound to St. Joseph Id.
409. " *fragilis*, Bernh.—Owen Sound, Gore Bay McLeod Har
410. *Aspidium Noveboracense* L. Willd.—Gore Bay
4 " *spinulosum* Swartz.—Owen Sound, Hilton.

412. Aspidium cristatum, Swartz.—Owen Sound.
413. " marginale, Swartz.—Owen Sound.
414. " acrostichoides, Swartz.—Owen Sound.
415. " Lonchitis, Spreng.—With Scolopendrium officinarum.—Owen Sound.
416. Onoclea sensibilis, L.—Owen Sound, Gore Bay, Hilton.
417. Osmunda regalis, L.—Border of Lake St. Joseph Id., Gore Bay, Thompson Pt. McLeod Bay.
418. " Claytoniana, L. (O. interrupta Michx.)—Hilton, St. Joseph's I.
419. " cinnamomea, L.—Owen Sound.
420. Botrychium lunarioides, Swartz.—Owen Sound.
421. " Virginicum, Swartz.—Michilimackinac Id., St. Joseph and Cockburn Ids. Gore Bay.
422. " simplex, Hitchcock.—Small Isl. E. end St. Joseph.

LYCOPODIACEÆ.

423. Lycopodium lucidulum, Michx.—In hardwoods, S. side St. Joseph Isl.
424. " annotinum, L.—Same locality as last.
425. " dendroideum, Michx.—Same place.
426. " clavatum, L.—With the last as well as Cockburn Id.
427. Selaginella selaginoides, Gray.—Sailor's Cove, Drummond Id.
428. " apus, Spring.—Gore Bay Isl., small Isl. E. end St. Joseph, Drummond and Cockburn Ids.

MUSCI.

429. Climacium Americanum, Brid.—St. Joseph Isl.
430. Hypnum splendens, Hedw.—Drummond Isl.
431. " triquetrum, L.—Small Isl. Drummond Isl.
432. Leucobryum glaucum, Hampe.—Drummond Isl.

JUNGERMANNIACEÆ.

433. Marchantia polymorpha, L.—Owen Sound.

LICHENES.

434. Cladonia rangiferina, } Island Harbor, Drummond Isl.
435. Cetraria islandica,
436. Usnea barbata,
437. " jubata,

CHARACEÆ.

438. Chara vulgaris, L.—Gore Bay.

In the above list the initial letters and contractions after the names of the different plants, indicate the authors of the species: L. = Linnæus, DC. = DeCandolle, Poir. = Poiret, Salisb. = Salisbury, Ait. = Aiton, Raf. = Rafinesque, Willd. = Willdenow, R. Br. = Robert Brown, Scop. = Scopoli, Sm. = Smith, Nutt. = Nuttall, Torr. = Torrey, Gr. = Gray, Michx. = Michaux, Muhl. = Muhlenberg, L'Her. = L'Heritier, Lamb. = Lambert, Walt. = Walter, Hud. = Hudson, Ehrh. = Ehrhart, Lindl. = Lindley, Ell. = Elliott, Gaertn. = Gaertner, Mill. = Miller, Hook. = Hooker, Pers. = Persoon, Spreng. = Sprengel, Benth. = Bentham, Reich. = Reichenbach, Desf. = Desfontaines, Wahl. = Wahlenberg, Bern. = Bernhardi, Hedw. = Hedwig, etc.

Montreal General Hospital,
August, 1887.

COMMON AMERICAN NAMES OF THE PRECEDING PLANTS.

1. Virginia bower.
2. Many-cleft anemone.
3. Tall anemone.
4. Pennsylvanian anemone.
5. Round-lobed hepatica.
6. Sharp-lobed
7. Meadow rue.
8. White water-crowfoot.
9. Spearwort.
10. Common crowfoot.
11. Hooked
12. Bristly
13. Creeping
14. Buttercups
15. Marsh marigold.
16. Three-leaved gold-thread.
17. Wild columbine.
18. Red bane-berry
19. Sweet-scented water-lily
20. Yellow pond-lily
21. Pitcher plant
22. Blood-root.
23. Climbing fumitory
24. Golden corydalis.
25. Pale corydalis
26. Water-cress
27. Marsh-cress.
28. Toothwort, pepper-root.
29. Cuckoo-flower.
30. Common bitter-cress.
31. Rock-cress
32. Long-podded tower mustard,
33. Straight tower mustard,
34. Winter-cress, yellow-rocket.
35. Hedge mustard,
36. Tansy mustard.
37. Wild pepper-grass.
38. Shepherd's purse.
39. American sea-rocket.
40. Sweet white violet.
41. Selkirk's violet.
42. Common blue violet.
43. Long-spurred violet.
44. American dog-violet.
45. Canada violet.
46. Downy yellow violet,
47. Round-leaved sundew
48. Narrow-leaved sundew,
49. Common grass of Parnassus,
50. Larger grass of Parnassus,
51. Small-flowered St. John's-wort
52. Kalm's St. John's-wort.
53. Marsh St. John's-wort.
54. Sleepy catchfly
55. Night-flowering catchfly
56. Corn-cockle,
57. Sandwort.
58. Thyme-leaved sandwort,
59. Stitchwort.
60. Northern stitchwort.
61. Larger mouse-ear chickweed.
62. Field chickweed.
63. Basswood, linden.
64. Wood-sorrel.
65. Sheep-sorrel.
66. Herb Robert
67. Spotted touch-me-not.
68. Staghorn sumach
69. Poison ivy, poison oak.
70. Fragrant sumach
71. Buckthorn.
72. Oval-leaved New Jersey tea
73. Wax-work, climbing bittersweet
74. Striped maple.
75. Mountain maple.
76. Sugar maple.
77. Red or swamp maple.
78. Seneca snake-root.
79. Bog milk-wort.
80. Flowering wintergreen.
81. Red clover
82. White clover,
83. Milk vetch
84. Dyer's weed.
85. Beach pea.
86. Blue vetchling
87. Myrtle-leaved vetchling
88. Hog pea-nut.
89. Wild yellow plum, red plum
90. Sand cherry.
91. Wild red cherry,
92. Choke cherry
93. Nine-bark.
94. Common meadow-sweet.
95. Common agrimony
96. Avens.
97. Straight yellow avens,
98. Water or purple avens.
99. Barren strawberry
100. [illegible]
101. Silver-weed.
102. Shrubby cinquefoil
103. Marsh five-finger,
104. Strawberry
105. Long-stalked strawberry.
106. Dalibarda.
107. Purple flowering raspberry.
108. Dwarf raspberry.
109. Wild red raspberry
110. Black raspberry, thimbleberry
111. Common or high blackberry.
112. Swamp rose,
113. Dwarf wild rose,
114. Early wild rose.
115. Wild pear.
116. Cockspur thorn.
117. Choke-berry.
118. American mountain ash.
119. June berry, shad-bush, service-berry.
120. Great willow-herb
121. Common small willow-herb.
122. Common evening primrose.
123. Small evening primrose.
124. Water purslane,

[illegible] Nightshade.
[illegible] Milfoil.
[illegible] Marsh-tea.
[illegible] Wild gooseberry.
[illegible] Smooth wild gooseberry.
[illegible] Swamp gooseberry.
[illegible] Field currant.
[illegible] Wild black currant.
[illegible] Red currant.
[illegible] Mitre-wort, bishop's cap.
[illegible] [illegible]
[illegible] False mitre-wort.
[illegible] Marsh penny-wort.
[illegible] Sanicle, black snake-root.
[illegible] Cow parsnip.
[illegible] Common parsnip.
[illegible] [illegible]
[illegible] Smoother sweet cicely.
[illegible] Hairy sweet cicely.
[illegible] Spikenard.
[illegible] Bristly sarsaparilla, wild elder.
[illegible] Wild sarsaparilla.
[illegible] Dwarf cornel, bunch-berry.
[illegible] Round-leaved cornel.
[illegible] Silky cornel, kinnikinnik.
[illegible] Red-osier dogwood.
[illegible] Alternate-leaved cornel.
[illegible] Twinflower.
[illegible] Snowberry.
[illegible] Small honeysuckle.
[illegible] Hairy honeysuckle.
[illegible] Fly honeysuckle.
[illegible] Swamp fly-honeysuckle.
[illegible] Bush honeysuckle.
[illegible] Fever-wort.
[illegible] Common elder.
[illegible] Red-berried elder.
[illegible] Cranberry-tree.
[illegible] [illegible]
[illegible] Nanny-berry.
[illegible] Wild madder.
[illegible] Joe-pye weed, trumpet weed.
[illegible] Thoroughwort, boneset.
[illegible] Sweet colts-foot.
[illegible] Large-leaved aster.
[illegible] Heart-leaved aster.
[illegible] Dwarf aster.
[illegible] Simple aster.
[illegible] [illegible] aster.
[illegible] [illegible] marsh aster.
[illegible] [illegible] aster.
[illegible] Horse-weed, butter-weed.
[illegible] [illegible]
[illegible] Daisy fleabane, sweet scabious.
[illegible] Daisy fleabane.
[illegible] Golden-rod.
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] Elecampane.
[illegible] Cone-flower.
[illegible] Coreopsis.

[illegible] Bur marigold.
[illegible] Water marigold.
[illegible] Common May-weed.
[illegible] [illegible]
[illegible] Canada wormwood.
[illegible] Common everlasting.
[illegible] Golden ragwort, squaw-weed.
[illegible] Common thistle.
[illegible] Pitcher's woolly thistle.
[illegible] [illegible] thistle.
[illegible] Swamp thistle.
[illegible] [illegible] thistle.
[illegible] Canada thistle.
[illegible] Burdock.
[illegible] Canada hawkweed.
[illegible] White lettuce.
[illegible] [illegible]
[illegible] Dandelion.
[illegible] Wild lettuce.
[illegible] False blue lettuce.
[illegible] Cardinal flower.
[illegible] Kalm's lobelia.
[illegible] Harebell.
[illegible] Marsh bell flower.
[illegible] [illegible] huckleberry.
[illegible] Small [illegible] berry.
[illegible] Creeping snowberry.
[illegible] Bearberry.
[illegible] Trailing arbutus, ground laurel.
[illegible] Aromatic wintergreen.
[illegible] Leather-leaf.
[illegible] Swamp laurel.
[illegible] Labrador tea.
[illegible] Round-leaved pyrola.
[illegible] Side-leaf.
[illegible] Small pyrola.
[illegible] One-sided pyrola.
[illegible] One-flowered pyrola.
[illegible] Prince's pine, pipsissewa.
[illegible] Pine-drops.
[illegible] Indian pipe.
[illegible] Pine-sap, false beech drops.
[illegible] Black alder winterberry.
[illegible] Common plantain.
[illegible] Bird's eye primrose.
[illegible] [illegible] wintergreen.
[illegible] Loosestrife.
[illegible] Tufted loosestrife.
[illegible] Great bladderwort.
[illegible] Intermediate bladderwort.
[illegible] Horned bladderwort.
[illegible] Common mullein.
[illegible] Monkey flower.
[illegible] Culver's-root, Culver's physic.
[illegible] American brooklime.
[illegible] Marsh speedwell.
[illegible] Corn speedwell.
[illegible] Rough gerardia.
[illegible] Scarlet painted-cup.
[illegible] Cow-wheat.
[illegible] Blue vervain.
[illegible] Nettle-leaved or white vervain.
[illegible] Lopseed.
[illegible] Wild mint.
[illegible] Water horehound.

[illegible]. [illegible]
[illegible]. Basil.
[illegible]. Wild bergamot.
[illegible]. Cat-mint, catnip.
[illegible]. Heal-all, self-heal.
[illegible]. Skullcap.
[illegible]. [illegible] skullcap.
[illegible]. Mad-dog skullcap.
[illegible]. Skullcap.
[illegible]. Hemp-nettle.
[illegible]. [illegible]
[illegible]. Hound's-tongue.
[illegible]. Beggar's lice.
[illegible]. Waterleaf.
[illegible]. [illegible] waterleaf.
[illegible]. Hedge bindweed.
[illegible]. Common nightshade.
[illegible]. Ground cherry.
[illegible]. Spurred gentian.
[illegible]. Smaller fringed gentian.
[illegible]. Soapwort gentian.
[illegible]. Buckbean.
[illegible]. Spreading dogbane.
[illegible]. Indian hemp.
[illegible]. Milkweed.
[illegible]. Swamp milkweed.
[illegible]. White ash.
[illegible]. Black ash, water ash.
[illegible]. Wild ginger.
[illegible]. Lamb's quarters, pigweed.
[illegible]. Strawberry blite.
[illegible]. [illegible]
[illegible]. Water persicaria.
[illegible]. Pennsylvania persicaria.
[illegible]. Lady's thumb.
[illegible]. Smartweed.
[illegible]. Knotgrass, goose-grass.
[illegible]. [illegible] joint-weed.
[illegible]. Arrow-leaved tear-thumb.
[illegible]. [illegible] dock.
[illegible]. Curled dock.
[illegible]. Great water-dock.
[illegible]. Field or horse-sorrel.
[illegible]. [illegible]
[illegible]. [illegible]
[illegible]. Bastard toadflax.
[illegible]. [illegible] water [illegible].
[illegible]. Slippery or red elm.
[illegible]. American or white elm.
[illegible]. Tall wild nettle.
[illegible]. Wood nettle.
[illegible]. Bur oak.
[illegible]. American beech.
[illegible]. Beaked hazel.
[illegible]. Hop hornbeam, lever-wood, iron-wood.
[illegible]. Sweet gale.
[illegible]. Paper birch, canoe birch.
[illegible]. Yellow birch.
[illegible]. Cherry birch, sweet or black birch.
[illegible]. Speckled or hoary alder.
[illegible]. Hoary willow.
[illegible]. Heart-leaved willow.
[illegible]. [illegible] willow.
[illegible]. American aspen.
[illegible]. Large-toothed aspen.

[illegible]. Balsam poplar, tacamahac, balm-of-gilead poplar.
[illegible]. Red pine.
[illegible]. White pine.
[illegible]. Balsam fir.
[illegible]. Hemlock spruce.
[illegible]. Black or double spruce.
[illegible]. White or single spruce.
[illegible]. Tamarack, American or black larch, hackmatack.
[illegible]. Arbor vitæ, white cedar.
[illegible]. Juniper.
[illegible]. Red cedar, savin.
[illegible]. American yew, ground hemlock.
[illegible]. Indian turnip.
[illegible]. Water arum.
[illegible]. Sweet flag, calamus.
[illegible]. Cat-tail flag.
[illegible]. Branching bur-reed.
[illegible]. Floating bur-reed.
[illegible]. [illegible] pondweed.
[illegible]. Robbins's pondweed.
[illegible]. Slender pondweed.
[illegible]. Few-flowered pondweed.
[illegible]. [illegible] pondweed.
[illegible]. [illegible]-leaf pondweed.
[illegible]. Shining-leaved pondweed.
[illegible]. Clayton's pondweed.
[illegible]. Arrow-grass.
[illegible]. Water plantain.
[illegible]. Variable arrow-head.
[illegible]. Small northern arrow-head.
[illegible]. Waterweed.
[illegible]. Tape grass, eel grass.
[illegible]. [illegible] orchis.
[illegible]. Large round-leaved orchis.
[illegible]. Northern green orchis.
[illegible]. Northern white orchis.
[illegible]. Small purple-fringed orchis.
[illegible]. Rattlesnake plantain.
[illegible].
[illegible]. Ladies' tresses.
[illegible]. Northern twayblade.
[illegible]. Coral-root.
[illegible]. Large yellow lady's slipper.
[illegible]. Small yellow lady's slipper.
[illegible]. Large blue flag.
[illegible]. Blue-eyed grass.
[illegible]. Nodding trillium, wake-robin.
[illegible]. Purple trillium, birth-root.
[illegible]. Indian cucumber-root.
[illegible]. Smaller Solomon's seal.
[illegible]. False spikenard.
[illegible]. [illegible] lily.
[illegible]. Three-leaved smilacina.
[illegible]. Two-leaved smilacina.
[illegible]. Northern clintonia.
[illegible]. Wild leek.
[illegible]. Wild orange lily.
[illegible]. [illegible] green twisted stalk.
[illegible]. Rosy-flowered twisted stalk.
[illegible]. Zygadenus.
[illegible]. False asphodel.
[illegible]. Pickerel-weed.
[illegible]. Pipewort.

[illegible] Bulrush.
[illegible]
[illegible]
[illegible] Many-stemmed cotton-grass.
[illegible] Graceful cotton-grass.
[illegible] Cane sedge.
[illegible] Indian rice, water-oats.
[illegible] Panic-grass.
[illegible] Wood horsetail.
[illegible] Swamp horsetail.
[illegible] Shore-grass, scouring rush.
[illegible] Variegated scouring rush.
[illegible] Small scouring rush.
[illegible] Common polypody.
[illegible] Marsh polypody.
[illegible] Woodland polypody.
[illegible] Ostrich fern.
[illegible] Rock brake.
[illegible] Common brake.
[illegible] Maiden-hair.
[illegible] Walking-leaf fern.
[illegible] Hart's tongue.
[illegible] Spleenwort.
[illegible] Ebony spleenwort.
[illegible] Wall-rue spleenwort.
[illegible] Spleenwort.
[illegible] Bladder fern.
[illegible] Variable bladder fern.
[illegible] Wood-fern, shield-fern.

[illegible] Woodsia, water-fern.
[illegible]
[illegible]
[illegible] Wood-fern.
[illegible]
[illegible] Sensitive fern.
[illegible] Flowering fern.
[illegible] Interrupted flowering fern.
[illegible] Cinnamon fern.
[illegible] Moonwort.
[illegible] Virginian moonwort.
[illegible] Simple leaved moonwort.
[illegible] Stinking [illegible] moss.
[illegible] Club-moss.
[illegible] Ground pine.
[illegible] Common club-moss.
[illegible] Club moss, selaginella.
[illegible] Mossy.
[illegible] Moss.
[illegible]
[illegible]
[illegible]
[illegible] Liver-wort.
[illegible] Reindeer moss.
[illegible] Iceland moss.
[illegible] Lichen.
[illegible]
[illegible] Common chara.

GEOLOGICAL SURVEY OF CANADA,

ALFRED R. C. SELWYN, F.R.S., F.G.S., DIRECTOR.

LIST OF PLANTS

FROM THE

MANITOULIN ISLANDS,

LAKE HURON,

BY

JOHN BELL, M.A., M.D.

[illegible] the Report of the Geological Survey of [illegible]

C[illegible]

MONTREAL
1870

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APPENDIX

ON THE PLANTS OF THE MANITOULIN ISLANDS

BY

JOHN BELL, M.A., M.D.

The plants whose names are contained in the following list, I collected during the summer of 1866,* while with my brother on a geological exploration of some of the islands of the Manitoulin group. The list is a very incomplete one of the flora of the district examined, as the collection of plants was made entirely subordinate to the proper work of the expedition. I however seized the opportunities afforded at various times, from Owen Sound northward, to make notes of the local flora, and collect specimens, in order to ascertain the range of many plants in this interesting region.

Most of the plants were collected on Cockburn, Drummond and St. Joseph Islands, the geological survey of which was the object of the expedition. Some of the smaller islands were also touched at, and a visit to Gore Bay on the north side of Grand Manitoulin Island enabled me to obtain some rare specimens from that point, and from the interior of the island to the south and south-east of it. While spending a few days at Owen Sound previous to starting, I examined the country in different directions, and found several rare species of ferns growing luxuriantly and in abundance on or near the limestone escarpment to the south-west of the town. A number of specimens were also obtained at the Bruce Mines and in the vicinity on two different occasions.

The physical geography of the several islands mentioned above differs considerably, and with it the vegetation. St. Joseph Island is, for the greater part of its extent, somewhat elevated, consisting apparently of sand and gravel covered over with a thin layer of vegetable mould. The land rises gradually from the lake shore towards the middle of the island. Near the centre, however, there is a depression, the bottom of which is occupied by a small lake. On the dry gravelly soil of St. Joseph Island a very heavy growth of hard-wood forest was found, consisting of beech, hard maple, hemlock, basswood, black and yellow birch, with a few rather scraggy white pines, while on the lower ground they were almost replaced by black ash, cedar, balm-of-Gilead and aspen-poplar, the canoe-birch, elm, mountain-ash, and many small and arborescent shrubs. The red elder was very conspicuous by its abundance and the profusion of its clusters of bright scarlet berries. From the circumstance that this island is immediately in the course of both the American and Canadian steamers and other vessels, large quantities of cord-wood are now cut and sold to them. In the future there is no doubt that the forests of this island will be of great value for fire-wood, if not for timber.

A traverse across the island from Hilton town-plot, on the north side, to Richardson's, on the south, was made on the [illegible] July, so that the plants mentioned as having been found at these places, and in the interior of the island, were collected on that and the following day. The plants from the Ducks Islands were obtained on the 24th July and 25th August. We visited the small island at the east end of St. Joseph on July 25th, and Hay Point, on the south side, on the 1st September.

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* See Report by Mr. Robert Bell, page [illegible]

Drummond Island, the next to the east of St. Joseph, by a northward curve in the international boundary line is included in the territory of the United States. The land of this island is lower than that of the others, and the land is to a large extent, flat and marshy, the trees being for the most part small balsams, tamaracks, and spruces. On the north side the island is more hilly than on the south, and on that side heavier forests are met with than on the south, the usual mixture being hard maple, beech, basswood, ironwood, balsam-fir, spruce and white cedar, with some white pine. In some places the flat limestone rocks come to the surface, and support only a sparse stunted growth of firs with patches of moss and lichens between, while in others dense thickets of firs and shrubs cover the swampy borders [illegible].

The plants obtained from the south-west corner of Drummond Island were collected between the 31st July and 2nd August, and those from the south-east corner on the 4th August, while the collections from Sedgrave Cove, on the north side of the island, were made on the 8th August, and those from Vermont and Medford Harbours on the north-west point, on the 30th and 31st August.

From the lake the aspect of the land on Drummond and Cockburn Islands is quite different. High land covered with hard-wood runs through the centre of Cockburn Island, which lies between Drummond and the Grand Manitoulin, having on the west side of it the False Detour Channel, and on the east the Strait of Mississagi. Towards the shore of the island firs are most numerous. The whole of the forest on that island is much heavier than that of its more level neighbour. The two ends of the island are undulating or hilly, the most elevated being in a south-westerly direction. The most notable character of the forest on this island is the quantity of red pine (*Pinus resinosa*) which occurs in it. Few of the trees seen of this species were very large, but in places they are very numerous (particularly on the bay to the east of the south-west point of the island) and large enough for making [illegible] timber for frames of houses.

Collections of plants were made on this island at the following dates:—South-west point of the island, August 6th; the north side and north part of the island, August 6th and 7th; Thompson's Point, August 11th; Sandy Bay, south side, August 11th; McLeod's Harbour and Hatton's Point, on the east side, August 21st. Little Cockburn Island in the *False Detour* Channel, August 6th.

Cape Smyth, at the east end of the Grand Manitoulin Island, was visited on the 27th July, and Gore Bay, on the north side of the same island on the 15th August. The forest south of Gore Bay resembles very much that of Cockburn Island. A good many white-pine trees were seen to the south-west of Gore Bay and red pine occurs towards Lake Kagawong and also at the west end of the island. Fires have passed through a large extent of the woods to the south and south-east of Gore Bay, killing the trees and causing them to fall. Lying across one another two or three deep, the interspaces filled up with brushwood and a rank growth of willow herb (*Epilobium angustifolium*) which always abounds in these *brulés*, they have now formed an almost impassable barrier to the explorer. The marsh at the foot of Gore Bay and the high cliffs on its eastern side afforded a number of rare plants.

Mississagi Island is small, flat and sandy, with two marshy ponds in its centre, and lies to the north of the straits of the same name. Part of it is covered with trees, and the rest is made up of sand-reaches partially covered with vegetation. It was visited on the 22nd July.

William Island of the charts (locally known as Whiskey Island), at the mouth of Wequemikong Bay east side, Grand Manitoulin, was touched at on July 28th and September 4th. This island, like many in the neighbourhood, is low and flat, and is all wooded, with the exception of an open sandy space at its western extremity, on which I found several unusual species of plants, and which, from the bones scattered over its surface, may have been an Indian burying-place.

In these remote settlements the growth of foreign weeds seems to keep pace with the settlers and even to outstrip them in their advances into the forests. This is to be regretted, as much might be done, by careful selection of seed grain and other means, to exclude many noxious weeds from these new and isolated settlements.

To Professor Asa Gray, of Harvard University, I am much indebted for his kindness in determining the species of several of the plants in the following list:—

RANUNCULACEÆ.

1. *Clematis Virginiana*, L.—South of Gore Bay, Grand Manitoulin Island.
2. *Anemone multifida*, DC.—Drummond Island.
3. " *Virginiana*, L.—S. W. extremity of Cockburn Island, and at Sandy Bay on the north side Gore Bay, Grand Manitoulin Island.
4. " *Pennsylvanica*, L.—Owen Sound, Missisagui Island, Bruce Mines, middle of St. Joseph Island, S. W. corner of Cockburn Island, Milgrave's Cove, Drummond Island, Gore Bay.
5. *Hepatica triloba*, Chaix.—McLeod's Harbour, E. end Cockburn Island, Vermont Harbour, Drummond Island.
6. " *acutiloba*, DC.—Owen Sound.
7. *Thalictrum Cornuti*, L.—Owen Sound, Missisagui Island.
8. *Ranunculus aquatilis*, L., Var. *divaricatus*, Gray.—Owen Sound, Sandy Bay, N. side of Cockburn Island, Gore Bay.
9. " *Flammula*, L., Var. *reptans*, L.—Whiskey on William Island, E. end of Grand Manitoulin Island, Missisagui Island, E. end of St. Joseph Island, Drummond Island, Gore Bay.
10. " *sceleratus*, L.—Owen Sound.
11. " *recurvatus*, Poir.—Owen Sound.
12. " *Pennsylvanicus*, L.—Little Current, Bruce Mines, centre of St. Joseph Island, S. W. corner of Cockburn Island, Gore Bay.
13. " *repens*, L.—Owen Sound, Milgrave's Cove, Drummond Island, Gore Bay.
14. " *acris*, L.—Bruce Mines.
15. *Caltha palustris*, L.—Owen Sound, border of the lake in the centre of St. Joseph Island, Cockburn Island, Drummond Island.
16. *Coptis trifolia*, Salisb.—Hilton Village on Town-plot, St. Joseph's Island, McLeod's Harbour, Cockburn Island.
17. *Aquilegia Canadensis*, L.—Owen Sound, Milgrave's Cove, Drummond Island, McLeod's Harbour.
18. *Actæa spicata*, L., Var. *rubra*.—Owen Sound, Hilton Lake, centre of St. Joseph Island, Cockburn Island, Drummond Island.
    Var. *alba*.—Owen Sound.

NYMPHÆACEÆ.

19. *Nymphæa odorata*, Ait.—Sandy Bay, Cockburn Island.
20. *Nuphar advena*, Ait.—Owen Sound, Drummond Island, Thompson Point, N. side of Cockburn Island, McLeod's Harbour.

SARRACENIACEÆ.

21. *Sarracenia purpurea*, L.—Drummond Island, McLeod's Harbour, Cockburn Island.

PAPAVERACEÆ.

22. *Sanguinaria Canadensis*, L.—Centre of St. Joseph Island.

FUMARIACEÆ.

23. *Adlumia cirrhosa*, Raf.—Gore Bay. Growing thirty feet high.
24. *Corydalis aurea*, Willd.—Cockburn Island, S.W. corner, and at McLeod's Harbour, E. end.
25. " *glauca*, Pursh.—Richardson's, south side, St. Joseph Island, S. W. corner and McLeod's Harbour, Cockburn Island, Sedgrave's Cove, Drummond Island.

CRUCIFERÆ.

26. *Nasturtium officinale*, R. Br.—Owen Sound. Of large size, and growing in great quantities in a spring brook.
27. " *palustre*, DC.—Owen Sound, Whiskey Island, Mississagui Island, Bruce Mines.
28. *Dentaria diphylla*, L.—Owen Sound.
29. *Cardamine pratensis*, L.—Whiskey Island.
30. " *hirsuta*, L.—Cockburn Island, Owen Sound.
31. *Arabis lyrata*, L.—Cockburn Island.
32. *Turritis glabra*, L.—Whiskey Island.
33. " *stricta*, Graham.—Whiskey Island, Mississagua Island.
34. *Barbarea vulgaris*, R. Br.—Mississagua Island, Richardson's, S. side of St. Joseph Island, Cockburn, Drummond and Whiskey Islands.
35. *Sisymbrium officinale*, Scop.—Owen Sound.
36. " *canescens*, Nutt.—Whiskey Island.
37. *Lepidium Virginicum*, L.—Owen Sound, Whiskey Island, Little Current.
38. *Capsella bursa-pastoris*, Moench.—Owen Sound, Bruce Mines.
39. *Cakile Americana*, Nutt.—Cockburn Island, S. W. point, and McLeod's Harbour.

VIOLACEÆ.

40. *Viola blanda*, Willd.—Middle of St. Joseph Island, McLeod's Harbour, Cockburn Island.
41. " *Selkirkii*, Goldie?—McLeod's Harbour.
42. " *cucullata*, Ait.—Owen Sound, St. Joseph Island, Cockburn Island, Gore Bay.
43. " *rostrata*, Pursh?—Owen Sound.
44. " *Muhlenbergii*, Torr.—McLeod's Harbour.
45. " *Canadensis*, L.—Owen Sound, centre of St. Joseph Island.
46. " *pubescens*, Ait.—Owen Sound, Gore Bay, Vermont Harbour, Drummond Island.

DROSERACEÆ.

47. *Drosera rotundifolia*, L.—Drummond Island, S.W. point, and McLeod's Harbour, Cockburn Island.
48. " *linearis*, Goldie.—In same localities as last.

PARNASSIACEÆ.

49. *Parnassia palustris*, L.—Drummond Island.
50. " *Caroliniana*, Michx.—McLeod's Harbour, Cockburn Island, Drummond Island.

HYPERICACEÆ.

51. *Hypericum mutilum*, L.—Mississagua Island, E. end of St. Joseph Island, Vermont Harbour, Drummond Island.
52. " *Kalmianum*, L.—Whiskey, Mississagui, Cockburn and Drummond Islands. Common on the shores.

53. *Elodea Virginica* Nutt.—Mississagi Island, marsh near a small lake in the middle of St. Joseph Island, Thompson Point and McLeod Harbour, Cockburn Island.

CARYOPHYLLACEÆ.

54. *Silene antirrhina*, L.—Mississagi Island.
55. " *noctiflora*, L.—Bruce Mines, Hilton Village.
56. *Agrostemma Githago*, L.—Richardson's, E. side of St. Joseph Island.
57. *Alsine Michauxii*, Fenzl.—Drummond Island, S.W. point, and McLeod's Harbour, Cockburn Island.
58. *Arenaria serpyllifolia*, L.—Owen Sound, Sidgrave Cove, Drummond Island.
59. *Stellaria longifolia*, Muhl.—Centre and S. side of St. Joseph Island.
60. " *borealis*, Bigelow.—Richardson's, St. Joseph Island.
61. *Cerastium viscosum*, L.—Bruce Mines, Hilton.
62. " *arvense*, L.—Drummond Island.

TILIACEÆ.

63. *Tilia Americana*, L.—Owen Sound, centre of St. Joseph Island, Cockburn Island, N. side Gore Bay, Vermont Harbour, Drummond Island.

OXALIDACEÆ.

64. *Oxalis acetosella*, L.—Owen Sound.
65. " *stricta*, L.—Owen Sound.

GERANIACEÆ.

66. *Geranium Robertianum*, L.—Owen Sound, Whiskey Island, Bruce Mines, Drummond and Cockburn Islands.

BALSAMINACEÆ.

67. *Impatiens fulva*, Nutt.—Mississagi, Drummond, Cockburn and St. Joseph Islands, Gore Bay.

ANACARDIACEÆ.

68. *Rhus typhina*, L.—Cape Smyth, E. end of Grand Manitoulin Island, Whiskey Island, S.W. point, and McLeod's Harbour, Cockburn Island, Mississagi and Drummond Islands.
69. " *Toxicodendron*, L., Common.—Cape Smyth, McLeod's Harbour, Whiskey Island, Mississagi Island, S.W. points of Drummond and Cockburn Islands.
70. *aromatica*, Ait.—Whiskey Island. Some years ago I collected this plant on Wolfe Island, opposite Kingston.

RHAMNACEÆ.

71. *Rhamnus alnifolius*, L'Her.—Drummond Island, Thompson Point and McLeod's Harbour, Cockburn Island.
72. *Ceanothus ovalis*, Bigelow.—Gore Bay, Grand Manitoulin Island.—Growing abundantly near the edge of the cliff on the E. side of the bay near its mouth.

CELASTRACEÆ.

73. *Celastrus scandens*, L.—Owen Sound.

SAPINDACEÆ.

74 *Acer Pennsylvanicum* L.—Hilton, S.W. of Cockburn Island, Gore Bay, Vermont Harbour
75 " *spicatum* Lamb.—Owen Sound, Hilton, Cockburn Island, Gore Bay
76 " *saccharinum* Wang.—Owen Sound, Hilton, Cockburn Island, Gore Bay, Vermont Harbour
77 " *rubrum*, L.—Centre of St. Joseph Island, E. end of same island, S.W. point of Cockburn Island, Gore Bay

POLYGALACEÆ

78 *Polygala Senega*, L.—Drummond Island, S.E. corner
79 " *polygama*, Walt.—Drummond Island
80 " *paucifolia*, Willd.—Cockburn and Drummond Islands.

LEGUMINOSÆ.

81 *Trifolium pratense* L.—Cockburn Island, Owen Sound
82 " *repens*, L.—Owen Sound, Bruce Mines
83 *Astragalus Canadensis*, L.—E. end of Manitoulin Island
84. " *Cooperi*, Gray.—Whiskey Island, Gore Bay
85 *Lathyrus maritimus*, Bigelow.—Hilton, Mississagui Island
86. " *palustris*, L.—Owen Sound, E. end of Grand Manitoulin Island, lake in the middle of St. Joseph Island, Sidgrave Cove, McLeod's Harbour
87 " *myrtifolius*, Muhl.—Cockburn Island, Gore Bay
88. *Amphicarpæa monoica*, Nutt.—Owen Sound.

ROSACEÆ

89 *Prunus Americana* Marsh.—Whiskey Island.
90. " *pumila* L.—Common on the shores of Whiskey, Mississagui, Drummond and Cockburn Islands
91 " *Pennsylvanica* L.—Mississagui Island, Hilton, Whiskey Island, S.W. point and McLeod's Harbour, Cockburn Island, Sidgrave Cove
92 " *Virginiana* L.—St. Joseph, Drummond, Mississagui, Cockburn and Whiskey (or Wilson) Islands.
93. *Spiræa opulifolia* L.—Whiskey, Mississagui, Drummond and Cockburn Islands.
94 " *salicifolia*, L.—Mississagui Island
95 *Agrimonia Eupatoria*, L.—Owen Sound, E. end of St. Joseph Island.
96 *Geum album* Gmelin.—Owen Sound.
97 " *strictum*, Ait.—Owen Sound, Mississagui and Whiskey Islands, Hilton.
98 " *rivale*, L.—Owen Sound
99. *Waldsteinia fragarioides*, Tratt.—Cockburn Island and Gore Bay
100 *Potentilla Norvegica*, L.—Owen Sound, Mississagui Island, Hilton, Drummond and Cockburn Islands
101 " *anserina*, L.—Owen Sound, Whiskey Island, Mississagui Island, Bruce Mines, W. side of Drummond Island, Hilton, Cockburn Island, Sidgrave Cove.
102 " *fruticosa*, L.—Drummond and Cockburn Islands
103 " *palustris* Scop.—Mississagui Island, Bruce Mines, Drummond Island, W. side of Sidgrave Cove, Thompson Point.
104 *Fragaria Virginiana*, Ehrhart.—Hilton, Mississagui Island.
105 " *vesca*, L.—Owen Sound, Richardson's, St. Joseph Island.

106. *Dalibarda repens*, L ?—Gore Bay Only the leaves could be found.
107. *Rubus odoratus*, L.—Middle of St. Joseph Island
108. " *triflorus* Richards.—Hilton, Owen Sound.
109. " *strigosus*, Mich.—Owen Sound, Mississagui Island, Bruce Mines, Hilton, Cockburn and Drummond Islands.
110. " *occidentalis*, L.—Owen Sound
111. " *villosus* Ait.—Owen Sound, Mississagui Island Bruce Mines, Hilton
112. *Rosa Carolina*, L.—Whiskey Island.
113. " *lucida*, Ehrhart.—Cape Smyth
114. " *blanda* Ait —Mississagui Island, Cape Smyth, Whiskey Island centre of St. Joseph Island, Drummond and Cockburn Islands
115. " *stricta* Lindl.—Whiskey Island
116. *Crataegus crus-galli*, L.—Whiskey Island
117. *Pyrus arbutifolia* L.—Border of the lake in the centre of St. Joseph Island, Thompson Point, Cockburn Island
118. " *Americana* DC.—Hilton, middle of St. Joseph Island S.W point of Cockburn Island
119. *Amelanchier Canadensis*, Torrey & Gray.—Beside a lake in the middle of St. Joseph Island, S W point of Cockburn Island Sidgrave Cove, Whiskey Island.

ONAGRACEÆ.

120. *Epilobium angustifolium*, L.—Very common and luxuriant throughout these islands, Owen Sound Mississagui, Whiskey Drummond and Cockburn Islands Bruce Mines. In the *brulés* or burnt woods S of Gore Bay this plant grew to the height of six or seven feet, and was so rank and in such quantities as to make walking exceedingly difficult.
121. " *coloratum* Muhl.—Gore Bay W end of Drummond Island Hilton, Cockburn Island Bruce Mines Sidgrave Cove
122. *Œnothera biennis*, L.—Owen Sound Gore Bay Whiskey and Mississagui Islands, Sidgrave Cove S.W point of Cockburn Island.
123. " *pumila*, L.—Mississagui Island.
124. *Ludwigia palustris* Ell.—Owen Sound
125. *Circaea alpina*, L.—Owen Sound and Hilton
126. *Myriophyllum spicatum* L.—Sandy Bay
127. *Hippuris vulgaris* L.—Gore Bay Vermont Harbour

GROSSULACEÆ.

128. *Ribes Cynosbati*, L.—Owen Sound.
129. " *hirtellum*, Michx.—Mississagui, Cockburn and Drummond Islands, Gore Bay
130. " *lacustre*, Poir.—Owen Sound, middle of St. Joseph Island, S.W point, and McLeod's Harbour Cockburn Island Gore Bay
131. " *prostratum*, L'Her.—Owen Sound Gore Bay
132. " *floridum*, L.—Owen Sound, Gore Bay
133. " *rubrum* L.—Gore Bay Hilton Owen Sound

SAXIFRAGACEÆ.

134. *Mitella diphylla*, L.—Owen Sound
135. " *nuda* L.—Owen Sound, Hilton Drummond Island
136. *Tiarella cordifolia*, L.—Owen Sound

UMBELLIFERÆ.

137 *Hydrocotyle Americana*, L.—Hilton.
138. *Sanicula Marilandica*, L.—Owen Sound, Sidgrave Cove.
139 *Heracleum lanatum*, Michx.—Mississagui Island.
140 *Pastinaca sativa*, L.—E. end of St. Joseph Island, W. side of Drummond Island.
141. *Cicuta maculata*, L.—Mississagui Island, S.W. part of Cockburn Island, Sidgrave Cove, Vermont Harbour.
142. *Osmorrhiza longistylis*, DC.—Owen Sound.
143. " *brevistylis*, DC.—Owen Sound, St. Joseph Island.

ARALIACEÆ.

144 *Aralia racemosa*, L.—Very rank in the middle of St. Joseph Island, Vermont Harbour.
145. " *hispida*, Michx.—Mississagui Island, centre of St. Joseph Island, W. side of Cockburn Island.
146. " *nudicaulis*, L.—Owen Sound, Hilton, S.W. corner of Cockburn Island, Sidgrave Cove, Vermont Harbour, Cape Smyth, Manitoulin Island, E. end.

CORNACEÆ.

147 *Cornus Canadensis*, L.—Owen Sound, Mississagui Island, Bruce Mines, Hilton, Gore Bay, Drummond and Cockburn Islands.
148 " *circinata*, L'Her.—Hilton, W. side of Drummond and Cockburn Islands, Sidgrave Cove, Gore Bay.
149. " *sericea*, L.—Small island at E. end of St. Joseph, McLeod's Harbour.
150 " *stolonifera*, Michx.—Owen Sound, Whiskey and Mississagui Islands, W. sides of Drummond and Cockburn Islands, Sidgrave Cove, McLeod's Harbour, Thompson Point, Gore Bay.
151 " *alternifolia*, L.—Gore Bay, Owen Sound.

CAPRIFOLIACEÆ.

152 *Linnæa borealis*, Gronov.—Mississagui Island, Bruce Mines, W. sides of Cockburn and Drummond Islands, interior of St. Joseph Island.
153. *Symphoricarpus racemosus*, Michx.—Cape Smyth, cliffs on the E. side of Gore Bay, Cockburn Island.
154 *Lonicera parviflora*, Lam.—Owen Sound, Mississagui Id., W. side Drummond and Cockburn Islds., McLeod's Hbr., Sidgrave Cove.
155 " *hirsuta*, Eaton.—Sidgrave Cove, Owen Sound, Mississagui Id.
156. " *ciliata*, Muhl.—Owen Sound, Little Cockburn Id., Hilton, Thompson Pt., McLeod's Hbr. and W. side Cockburn Id.
157 " *oblongifolia*, Muhl.—Thompson Pt., Sidgrave Cove.
158 *Diervilla trifida*, Moench.—Owen Sound, Cape Smyth, Mississagui Id., Bruce Mines, lake in centre of St. Joseph Id., McLeod's Hbr., and S.W. corner Cockburn, Sidgrave Cove.
159. *Triosteum perfoliatum*, L.—Owen Sound.
160 *Sambucus Canadensis*, L.—Owen Sound.
161 " *pubens*, Mich.—Owen Sound, Hilton and throughout St. Joseph Id., being very abundant in some parts of the interior.
162 *Viburnum opulus*, L.—Gore Bay, Whiskey Isd.

RUBIACEÆ.

163 *Galium triflorum* Michx.—Owen Sound, Mississagui Id., Bruce Mines, interior St. Joseph Id.

164 *Mitchella repens*, L.—Owen Sound.

DIPSACEÆ.

165. *Dipsacus sylvestris* Mill.—Woodstock.

COMPOSITÆ.

166. *Eupatorium purpureum*, L.—Mississagui Id., interior and S. point St. Joseph Id., various places in Cockburn and Drummond Ids.

167 *perfoliatum*, L.—Owen Sound, Whiskey Id., Mississagui Id., Bruce Mines, borders of lake in interior St. Joseph Id., W. sides of Cockburn and Drummond Ids., McLeod's Hbr., Hay Pt., S. side St. Joseph Id.

168 *Nardosmia palmata*, Hook.—Drummond and Cockburn Ids.

169 *Aster macrophyllus*, L.—Cape Smyth, interior St. Joseph Id., W. side Cockburn Id., Sidgrave Cove, Vermont Hbr.

170. *Aster cordifolius*, L.—Hay Point, Sidgrave Cove.

171 *laevis* L. Ait.—Hay Point and interior St. Joseph Id., Vermont Hbr.

172 *simplex*, Willd.—Bruce Mines, Vermont Hbr.

173. " *tenuifolius*, L.—Hay Point.

174 *puniceus*, L.—Hay Point, Bruce Mines, Whiskey Id.

175 *ptarmicoides*, Torr & Gr.—Cockburn Island.

176 *Erigeron Canadense* L.—Bruce Mines, Hilton, Sidgrave Cove, Gore Bay, Cockburn Id.

177 *Philadelphicum* L.—Bruce Mines, Owen Sound, Hilton, Cockburn Id.

178 *annuum* Pers.—Owen Sound.

179 " *strigosum* Muhl.—Woodstock.

180. *Solidago squarrosa* L.—McLeod's Hbr.

181 " *altissima* L.—Bruce Mines.

182. *Canadensis*, L.—Bruce Mines, Vermont Hbr., Hay Point.

183 *gigantea* Ait.—Whiskey Id.

184. *lanceolata* L.—Bruce Mines, Vermont Hbr., Hay Point.

185. *Ohioensis*, Riddell.—Cockburn Id., W. side.

186. *Inula Helenium*, L.—Owen Sound.

187 *Rudbeckia hirta* L.—Richardson's, St. Joseph Island.

188 *Coreopsis lanceolata*, L.—Rocky shore, McLeod's Hbr.

189. *Bidens chrysanthemoides* Michx.—Gore Bay.

190. " *Beckii*, Torr.—Vermont Harbour.

191 *Maruta cotula*, DC.—Bruce Mines.

192. *Achillea millefolium* L.—Whiskey Id., Mississagui Id., Bruce Mines, W. side Cockburn Id., Sidgrave Cove, [illegible], Cockburn Id.

193. *Artemisia Canadensis*, Michx.—Cockburn, Mississagui, and Whiskey Ids., Bruce Mines.

194 *Gnaphalium polycephalum*, Michx.—Mississagui, Cockburn and St. Joseph Ids., Bruce Mines, Owen Sound.

195. *Senecio aureus*, L.—Richardson's, W. side Drummond Id. Var. *oblongifolius* Cockburn Id.

196. *Cirsium lanceolatum*, Scop.—Hilton.

197 " *Pitcheri*, Torr & Gr.—S.W. corner of Cockburn Id., near Little Cockburn Id.

198 *Cirsium discolor*, Spreng.—Owen Sound
199 " *muticum*, Michx.—Hilton, small island S.E. of St. Joseph, Gore Bay
200. " *pumilum*, Spreng.—Drummond and Cockburn Ids
201 " *arvense*, Scop.—Hilton. Var. *rubrum* and *album* growing close to the shore at Hilton as if recently introduced
202. *Lappa major*, Gaertn.—Owen Sound, Bruce Mines.
203. *Hieracium Canadense*, Michx.—Bruce Mines, W. side Cockburn Id.
204 *Nabalus albus*, Hook.—Gore Bay
205 " *racemosus*, Hook.—Sandy Bay, Cockburn Id.
206 *Taraxacum dens-leonis*, Desf.—Owen Sound, Bruce Mines
207 *Lactuca elongata*, Muhl.—Little Cockburn Id.
208. *Mulgedium leucophæum*, DC.—Owen Sound, Bruce Mines.

LOBELIACEÆ

209 *Lobelia cardinalis*, L.—Lobelia Lake, centre of Cockburn Id., McLeod's Hbr
210. " *Kalmii*, L.—Mississagui Id., S.E. corner of St. Joseph Id., Sidgrave's Cove, McLeod's Hbr., and S.W. corner of Cockburn

CAMPANULACEÆ

211 *Campanula rotundifolia*, L.—Common on all the islands
212 " *aparinoides*, Pursh.—Bruce Mines, border of lake in middle of St. Joseph Id., Drummond Island, Gore Bay, Thompson's Point, McLeod's Hbr

ERICACEÆ.

213 *Gaylussacia resinosa*, Torr & Gr.—Three miles N.W. of McLeod's Hbr
214 *Vaccinium oxycoccus*, L.—Cockburn Id.
215 *Chiogenes hispidula*, Torr & Gr.—Drummond Id
216 *Arctostaphylos uva-ursi*, Spreng.—Whiskey Id., Mississagui Id., Cockburn Id., [illegible] Bay, Grand Manitoulin Id
217 *Epigæa repens*, L.—Drummond Id., W. side, Thompson Point, McLeod's Hbr
218 *Gaultheria procumbens*, L.—Hilton
219 *Cassandra calyculata*, Don.—Near the small lake in the interior of St. Joseph Id
220 *Kalmia glauca*, Ait.—Drummond Id. Var. *rosmarinifolia*, Thompson Point.
221 *Ledum latifolium*, Ait.—W. end Drummond Id., McLeod's Hbr
222 *Pyrola rotundifolia*, L.—McLeod's Hbr
223. " *elliptica*, Nutt.—Owen Sound, Hilton, Gore Bay
224. " *chlorantha*, Swartz.—Small island S.E. St. Joseph Id., corner Cockburn Id., McLeod's Hbr., Gore Bay
225 " *secunda*, L.—Owen Sound, Gore Bay, Hilton, Cockburn Id
226 *Moneses uniflora*, Gray.—Near S. side St. Joseph Id.
227 *Chimaphila umbellata*, Nutt.—Mississagui Id., Hilton, Sidgrave Cove.
228 *Pterospora Andromeda*, Nutt.—N.W. point Drummond Id., on the wooded top of a high hill four miles S. of Gore Bay, Vermont Harbor three miles N. of McLeod's Hbr. This plant grows in great quantities in many places through the islands
229 *Monotropa uniflora*, L.—Hilton, Thompson Point, Gore Bay, Bay Pt., S.W. point of Cockburn Id
230 " *hypopitys*, L.—Thompson Pt., Gore Bay

AQUIFOLIACEÆ.

231 *Ilex verticillata*, Gray.—Mississagua Id., beside the lake in centre St. Joseph Id., S. side of St. Joseph Id., Drummond Id., Thompson Point, McLeod's Hbr

PLANTAGINACEÆ

232 *Plantago major*, L.—Owen Sound, Gore Bay, Cockburn Id. In the interior of St. Joseph Id. I found several specimens of this plant with a small spreading leaflet half-way up the stalk of the spike, like that of a *Veronica*.

PRIMULACEÆ

233 *Primula farinosa*, L.—Whiskey Id., Missisagui, Drummond and Cockburn Ids.
234. *Trientalis Americana*, Pursh.—Hilton, S.W. point of Cockburn Id.
235 *Lysimachia stricta*, Ait.—Missisagui Id., border of lake, middle of St. Joseph Id.
236. *Naumburgia thyrsiflora*, Reichenb.—W. point Drummond Id.

LENTIBULACEÆ

237 *Utricularia vulgaris*, L.—Vermont Har. Sandy Bay
238 " *intermedia*, Hayne.—Growing on the muddy shore of a pond a mile W. of Huronia Pt., S. side of Cockburn Id.
239. " *cornuta*, Michx.—Missisagui Id., small island S.E. of St. Joseph Id., Cockburn Id.

SCROPHULARIACEÆ

240. *Verbascum Thapsus*, L.—Owen Sound, Bruce Mines, Hilton
241 *Mimulus ringens*, L.—Missisagui Id., Gore Bay, Owen Sound.
242 *Veronica Virginica*, L.—Gore Bay
243 " *Americana*, Schwein.—Owen Sound, Hilton
244 " *scutellata*, L.—Gore Bay
245. " *arvensis*, L.—Richardson's, S. side of St. Joseph Id.
246 *Gerardia aspera*, Dougl.—Bay S. of Huronia Point.
247 *Castilleia coccinea*, Spreng.—Common in sandy places in Drummond and Cockburn Ids., and conspicuous along the shore from its brilliantly bright scarlet flowers.
248 *Melampyrum Americanum*, Michx.—Drummond and Cockburn Ids.

VERBENACEÆ

249 *Verbena hastata*, L.—Missisagui, St. Joseph and Cockburn Ids., Gore Bay
250. " *urticifolia*, L.—Between Owen Sound and Leith.
251. *Phryma Leptostachya*, L.—On the Falls of the Pottawatamy River, Owen Sound.

LABIATÆ

252 *Mentha Canadensis*, L.—Missisagui Id., Bruce Mines, Hilton, Belgrave Cove, Vermont Har., Little Cockburn Id.
253. *Lycopus Europæus*, L.—Vars. *sinuatus* and *integrifolius*, Owen Sound, William, Drummond and Cockburn Ids.
254 *Calamintha glabella*, Benth.—Var. *Nuttallii*, Gray. Common on the shores of Missisagui, Cockburn and Drummond Ids.
255 *clinopodium*, Benth.—Owen Sound, William (or Whiskey) Id., Wequamakong Bay, E. end of Grand Manitoulin, W. end of Drummond Id. and Belgrave Cove.
256 *Monarda fistulosa*, L.—Owen Sound.
257 *Nepeta Cataria*, L.—Owen Sound, interior St. Joseph Id.
258 *Prunella vulgaris*, L.—Common in all the Manitoulin group of islands.
259 *Scutellaria parvula*, Michx.—Whiskey Id., Wequamakong Bay.

260 *Scutellaria galericulata*, L.—Whiskey Id., Missisagui Id., Bruce Mines, border of lakes in the interior of St. Joseph Id.

261 " *lateriflora*, L.—Cape Smyth, Bruce Mines, Missisagui and Cockburn Ids., Gore Bay

262 " *versicolor* Nutt.—Owen Sound, Hilton, S.W. point Cockburn Id.

263. *Galeopsis Tetrahit* L.—Bruce Mines, Hilton

BORRAGINACEÆ.

264. *Echinospermum Lappula*, Lehm.—Owen Sound, Hilgrave Cove

265 *Cynoglossum officinale*, L.—Owen Sound, Bruce Mines, Hilton

266. " *Morrisoni*, DC.—Owen Sound, Cape Smyth, Whiskey Id., middle of St. Joseph Id., Hilgrave Cove

HYDROPHYLLACEÆ.

267 *Hydrophyllum Virginicum*, L.—Owen Sound.

268. *Canadense* L.—Owen Sound.

CONVOLVULACEÆ.

269. *Calystegia sepium* R. Br.—McLeod's Harbour

SOLANACEÆ

270 *Solanum nigrum*, L.—Richardson's, St. Joseph Id., Vermont Hbr., S.W. corner Drummond Id.

271 *Physalis viscosa*, L.—Gravelly bank S.W. corner Cockburn Id., Burnt Wood, Gore Bay

GENTIANACEÆ.

272. *Halenia deflexa*, Griseb.—Missisagui and Drummond Ids.

273 *Gentiana detonsa* Fries.—Drummond and Cockburn Ids. Not uncommon on the shores

274 " *saponaria*, L. var. *linearis* Gray.—Bruce Mines.

275 *Menyanthes trifoliata* L.—Marsh of Missisagui Id., S.W. corner of Drummond Id., Thompson Point

APOCYNACEÆ

276 *Apocynum androsæmifolium* L.—Owen Sound, Hilgrave Cove

277 " *cannabinum*, L.—Whiskey Id.

ASCLEPIADACEÆ.

278. *Asclepias Cornuti* Decaisne.—Owen Sound

279 *incarnata*, L.—Whiskey Id., Thompson Point.

OLEACEÆ.

280. *Fraxinus Americana*, L.—Owen Sound, W. side and interior of Cockburn Island, Thompson Pt., McLeod's Hbr.

281 " *sambucifolia*, Lam.—E. Northfar, Cockburn Id.

ARISTOLOCHIACEÆ.

282 *Asarum Canadense*, L.—Owen Sound

CHENOPODIACEÆ.

283 *Chenopodium album*, L.—Richardson's, Vermont Hbr.

284. *Blitum capitatum* L.—Owen Sound, Little Current, interior of St. Joseph Id.

AMARANTACEÆ.

285 *Amarantus paniculatus*, L.—Bruce Mines

POLYGONACEÆ.

286. *Polygonum amphibium*, L.—Gore Bay, Vermont Harbour, Hay Point.
287 " *Pennsylvanicum*, L.—Sidgrave Cove
288. " *persicaria*, L.—Missisagui Id., Hilton, Gore Bay
289 " *hydropiper*, L.—Missisagui, Cockburn Id.
290 " *aviculare*, L.—Owen Sound, Bruce Mines.
291 " *ramosissimum*, Michx.—Drummond Id., Little Cockburn Id., Hay Point
292. " *sagittatum*, L.—Bruce Mines
293 *Rumex obtusifolius*, L.—Owen Sound, Bruce Mines, St. Joseph Id.
294 *crispus*, L.—Owen Sound, Bruce Mines, interior St. Joseph Id., Cockburn.
295 " *hydrolapathum*, (Hudson) var. *Americanum*, Missisagui Id., Owen Sound, Bruce Mines, Vermont Harbour
296. " *acetosella*, L.—Missisagui Id., Bruce Mines, Hilton.

THYMELEACEÆ.

297 *Dirca palustris*, L.—Interior Cockburn Id., small Isd. off S.E. point St. Joseph.

ELÆAGNACEÆ.

298. *Shepherdia Canadensis*, Nutt.—Owen Sound and common throughout these islands.

SANTALACEÆ.

299 *Comandra umbellata*, Nutt.—Whiskey and Missisagui Isds., Sidgrave Cove, S.W. Pt. Cockburn.

CALLITRICHACEÆ.

300 *Callitriche verna*, L.—Gore Bay

URTICACEÆ.

301. *Ulmus fulva*, Michx.—Owen Sound, interior St. Joseph Id.
302 " *Americana*, L.—Sidgrave Cove, Gore Bay
303 *Urtica gracilis*, Ait.—Owen Sound, Hilton.
304 *Laportea Canadensis*, Gaudich.—Owen Sound

CORYLACEÆ.

305. *Quercus rubra*, L.—St. Joseph and Cockburn Ids.
306. *Fagus ferruginea*, Ait.—Hilton village and throughout St. Joseph Id., interior Cockburn Id., Gore Bay, Vermont Harbour
307. *Corylus rostrata*, Ait.—Hilton, Cockburn Island,
308. *Ostrya Virginica*, Willd.—Hilton, interior Cockburn Id.

MYRICACEÆ.

309 *Myrica Gale*, L.—Missisagui, Drummond, Cockburn and St. Joseph Islands, Bruce Mines

BETULACEÆ.

310 *Betula papyracea*, Ait.—Missisagui Id., Sidgrave Cove, Thompson Pt., Gore Bay, S.W. Pt. and interior of Cockburn Id.
311. " *excelsa*, Ait.—Owen Sound, interior of St. Joseph and Cockburn Isds.
312. " *lenta*, L.—Hilton, Gore Bay

313. *Alnus incana*, Willd.—Bruce Mines, Mississagui Id., Border of Lake St. Joseph Id., McLeod's Hbr. and S.W. Pt. Cockburn.

SALICACEÆ.

314 *Salix candida*, Willd.—Common marshy grounds, St. Joseph, Cockburn and Drummond Ids.
315 " *cordata*, Muhl.—Sand reaches, S. side Cockburn Id.
316. " *pedicellaris*, Pursh.—Sand Bay.
317 *Populus tremuloides*, Michx.—Gore Bay, Mississagui Id., Milldrum Bay, St. Joseph Id., Sidgrave Cove, Vermont Hbr.
318. " *grandidentata*, Michx.—Gore Bay, St. Joseph, Cockburn and Drummond Id.
319 " *balsamifera*, L. Same localities as last.

CONIFERÆ.

320 *Pinus resinosa*, Ait.—Common throughout Cockburn Id. Sidgrave Cove, Drummond Id. Gore Bay.
321 " *strobus*, L.—Mississagua, St. Joseph, Drummond, Cockburn Ids. Gore Bay.
322. *Abies balsamea*, Marshall.—Mississagui Id., and on all the Manitoulin group.
323. — *Canadensis*, Michx.—St. Joseph Id., some trees three feet in diameter, Cockburn Id., Gore Bay.
324. " *nigra*, Poir.—Cockburn Id.
325. — *alba*, Mich.—Interior St. Joseph Id., northern part Cockburn Id., Gore Bay, Whiskey Id.
326. *Larix Americana*, Michx.—Bruce Mines, S. and St. Joseph Id., Cockburn Id., McLeod Hbr. Vermont Hbr., Milldrum Bay.
327 *Thuja occidentalis*, L.—Common from the Grand Manitoulin Id. to Bruce Mines.
328 *Juniperus communis*, L.—Drummond Id., S. W. point and McLeod's Hbr., Cockburn Id.
329 — *Virginiana*, L. Var. *humilis*,—W. sides Drummond and Cockburn Ids.
330 *Taxus baccata*, L. Var. *Canadensis*, Gray.—Owen Sound, Mississagua Id., Hilton, Little Cockburn Id., Gore Bay, Vermont Hbr.

ARACEÆ.

331 *Arisæma triphyllum*, Torr.—Owen Sound, St. Joseph Id.
332. *Calla palustris*, L.—Hilton.
333 *Acorus calamus*, L.—Gore Bay, Vermont Harbor.

TYPHACEÆ.

334. *Typha latifolia*, L.—Mississagui Id., S. and St. Joseph, Gore Bay.
335. *Sparganium racemosum*, Hudson.—Head of Gore Bay.
336. *natans*, L., Var. *affine*, P m.—Vermont Harbor.

NAIADACEÆ.

337 *Potamogeton pectinatus*, L.—Sandy Bay, W. side Cockburn Id.
338 " *Robbinsii*, Oakes.—Same place as last.
339 " *pusillus*, L.—With the above in a small sheltered nook of Sandy Bay.
340. — *pauciflorus*, Pursh.—Gore Bay.
341 " *compressus*, L.—Bay Point.
342 " *perfoliatus*, L.—Sandy Bay.
343 " *lucens*, Var. [illegible]—Gore Bay.
344. " *heterophyllus*, Schreber.—Sandy Bay.

ALISMACEÆ

345. *Triglochin maritimum*, L.—Drummond Id., McLeod's Hbr., Cockburn Id
346. *Alisma Plantago*, L.—Owen Sound
347. *Sagittaria variabilis*, Engelmann, Vars. *gracilis*, *obtusa*, etc.—Owen Sound, Gore Bay, Little Cockburn Id.
348. " *calycina*, Engelm.—Growing at the entrance of a small creek at Gore Bay

HYDROCHARIDACEÆ

349. *Anacharis Canadensis*, Planchon.—Sandy Bay
350. *Vallisneria spiralis*, L.—Gore Bay, Vernon Hbr

ORCHIDACEÆ

351. *Platanthera obtusata*, Lindl.—St. Joseph and Drummond Ids.
352. " *orbiculata*, Lindl.—Hilton, Drummond Id., Cockburn Id
353. " *hyperborea*, Lindl.—Lake shore, St. Joseph Id., S.W. side Drummond Id., Thompson Pt., McLeod Hb
354. " *dilatata*, Lindl.—Drummond Id., W. side Thompson Pt.
355. " *psycodes*, Gray.—Owen Sound, Drummond Id., Thompson Pt., McLeod Hb
356. *Goodyera repens*, R. Br.—Sidgrave Cove, Thompson Pt., Gore Bay
357. " *pubescens*, R. Br.—Interior St. Joseph Id., Thompson Point, Gore Bay
358. *Spiranthes cernua*, Richard.—Drummond Id., McLeod's Hbr
359. *Listera convallarioides*, Hook.—Hilton, W. side Cockburn Id
360. *Corallorhiza multiflora*, Nutt.—Owen Sound, Cockburn Id
361. *Cypripedium pubescens*, Willd.—Cockburn Id.
362. " *spectabile*, Swartz.—Thompson Pt.

IRIDACEÆ

363. *Iris versicolor*, L.—Owen Sound, Mississagui Id., Bruce Mines, Cockburn Id.
364. *Sisyrinchium Bermudiana*, L.—Bruce Mines, Cockburn Id

SMILACEÆ

365. *Trillium cernuum*, L.—Interior St. Joseph Id., Gore Bay
366. " *erectum*, L.—St. Joseph Id.
367. *Medeola Virginica*, L.—Owen Sound, Hilton

LILIACEÆ

368. *Polygonatum biflorum*, Ell.—Hilton
369. *Smilacina racemosa*, Desf.—Owen Sound, Hilton, Gore Bay, McLeod Hbr
370. " *stellata*, Desf.—Mississagui Id., West side and Sidgrave Cove, Drummond Id., Cockburn Id
371. " *trifolia*, Desf.—Bruce Mines, Hilton, Thompson Pt., Gore Bay, McLeod Harbor
372. " *bifolia*, Ker.—Mississagui Id., Cockburn Id
373. *Clintonia borealis*, Raf.—Owen Sound, Mississagui and Cockburn Ids., Hilton
374. *Allium tricoccum*, Ait.—Owen Sound
375. *Lilium Philadelphicum*, L.—West side of Cockburn Id., McLeod's Hbr

MELANTHACEÆ

376. *Streptopus amplexifolius*, D. C.—Hilton
377. " *roseus*, Michx.—Owen Sound, Hilton.
378. *Zygadenus glaucus*, Nutt.—Island Hbr., Drummond Id., Cockburn Id

379 *Tofieldia glutinosa*, Willd.—Fairview Harbor Drummond Id., Thompson Pt., McLeod's Hbr.

PONTEDERIACEÆ

380 *Pontederia cordata* L.—Small S. E. corner St. Joseph Isd., Vermont Harbr.

ERIOCAULONACEÆ

381 *Eriocaulon septangulare*, Withering.—Kay Point, S side St. Joseph Isd Very abundant.

CYPERACEÆ

382. *Scirpus acicularis*, L.—Gore Bay
383 " *caespitosus* L.—Thompson Pt.
384 " *pungens*, Vahl —Kay Point.
385. *Eriophorum polystachyon*, L.—Missisagui Id.
386. " *gracile*, Koch.—Thompson Pt.
387. *Carex aurea*, Nutt —Whiskey Id

GRAMINEÆ.

388 *Zizania aquatica*, L.—Vermont Hbr
389 *Panicum capillare*, L —McLeod Hbr

EQUISETACEÆ

390 *Equisetum sylvaticum*, L.—S. W side St. Joseph's Id Gore Bay
391. " *limosum* L.—Owen Sound Gore Bay Kay Pt.
392. " *hyemale*, L —Owen Sound Gore Bay
393 " *variegatum*, Schleicher.—Drummond Id. Cockburn Id., Gore Bay
394 " *scirpoides*, Michx.—Hilton, Gore Bay Drummond Id.

FILICES.

395 *Polypodium vulgare*, L.—Owen Sound McLeod Hbr
396 " *Phegopteris*, L.—Hilton
397 " *Dryopteris*, L.—Owen Sound, Hilton.
398. *Struthiopteris Germanica* Willd.—Owen Sound, Hilton, Gore Bay
399. *Allosorus gracilis*, Presl.—McLeod Hbr
400 *Pteris aquilina*, L.—Common from Owen Sound to the Bruce Mines.
401 *Adiantum pedatum* L.—Owen Sound
402 *Camptosorus rhizophyllus*, Link.—Owen Sound.
403 *Scolopendrium officinarum*, Swartz.—Growing in rich soil among loose rocks, at the foot of a limestone escarpment, a short distance S.W of Owen Sound.
404 *Asplenium Trichomanes*, L —Owen Sound, McLeod Hbr
405. " *viride* Hudson.—Owen Sound. Growing among the moss on the sides of cool moist clefts or gorges in the limestone escarpment mentioned above
406 " *thelypteroides*, Michx.—Interior St. Joseph Id
407 " *Filix-foemina* R. Br.—Whiskey Id. St. Joseph Id., Sandy Bay Gore Bay
408 *Cystopteris bulbifera*, Bernh.—Common from Owen Sound to St. Joseph Id.
409 " *fragilis*, Bernh.—Owen Sound, Gore Bay McLeod Hbr
410 *Aspidium Noveboracense*, L. Willd.—Gore Bay
411 " *spinulosum*, Swartz.—Owen Sound, Hilton

412 *Aspidium cristatum*, Swartz.—Owen Sound
413. " *marginale*, Swartz.—Owen Sound
414. " *acrostichoides*, Swartz.—Owen Sound
415. " *Lonchitis*, Spreng.—With *Scolopendrium officinarum*.—Owen Sound
416 *Onoclea sensibilis*, L.—Owen Sound, Gore Bay, Hilton.
417 *Osmunda regalis*, L.—Borders of Lake St. Joseph Id, Gore Bay, Thompson Pt., McLeod Bay
418 " *Claytoniana*, L. (*O. interrupta* Michx.)—Hilton, St. Joseph's Id.
419 " *cinnamomea*, L.—Owen Sound
420 *Botrychium lunarioides*, Swartz.—Owen Sound
421 " *Virginicum*, Swartz.—[illegible] Id., St. Joseph and Cockburn Ids, Gore Bay
422 " *simplex*, Gray.—Small Ids. E. end St. Joseph

LYCOPODIACEÆ

423. *Lycopodium lucidulum*, Michx.—Richardson's, S. side St. Joseph Id.
424. " *annotinum*, L.—Same locality as last.
425 " *dendroideum*, Michx.—Same place
426 " *clavatum*, L.—With the last and on Cockburn Id
427 *Selaginella selaginoides*, Gray.—Parsons Cove, Drummond Id
428 " *apus*, Spreng.—Whiskey Id., [illegible] Id. M. and St. Joseph, Drummond and Cockburn Ids.

MUSCI

429 *Climacium Americanum*, Brid.—St. Joseph Id
430. *Hypnum splendens*, Hedw.—Drummond Id.
431 " *triquetrum*, L.—Inland Hbr. Drummond Id.
432. *Leucobryum glaucum*, Hampe.—Drummond Id

JUNGERMANNIACEÆ

433 *Marchantia polymorpha*, L.—Owen Sound

LICHENES.

434. *Cladonia rangiferina*,
435 *Cetraria Islandica*,
436 *Usnea barbata*,
437 " *rubens*,
} Inland Harbor Drummond Id.

CHARACEÆ.

438 Chara vulgaris, L.—Gore Bay

In the above list the initial letters and contractions after the names of the different plants, indicate the authors of the species. L. = Linnæus, DC. = DeCandolle, Poir. = Poiret, Salisb. = Salisbury, Ait. = Aiton, Raf. = Rafinesque, Willd. = Willdenow, R. Br. = Robert Brown, Scop. = Scopoli, Nutt. = Nuttall, Torr. = Torrey, Gr. = Gray, Michx. = Michaux, Muhl. = Muhlenberg, L'Her. = L'Heritier, Lamb. = Lambert, Walt. = Walter, Gmel. = Gmelin, Ehrh. = Ehrhart, Lindl. = Lindley, Ell. = Elliott, Gronov. = Gronovius, Mill. = Miller, Hook. = Hooker, Pers. = Persoon, Spreng. = Sprengel, Benth. = Bentham, Griseb. = Grisebach, Desf. = Desfontaines, Wahl. = Wahlenberg, Bern. = Bernhardi, Hedw. = Hedwig, etc.

Montreal General Hospital
August, 1867

COMMON AMERICAN NAMES OF THE PRECEDING PLANTS

1. Virginia bower
2. Many-cleft anemone.
3. Tall anemone.
4. Pennsylvania anemone
5. Round-lobed hepatica.
6. Sharp-lobed
7. Meadow rue.
8. White water-crowfoot.
9. Spear wort.
10. Cursed crowfoot
11. Hooked
12. Bristly
13. Creeping
14. Buttercups
15. Marsh marigold
16. Three-leaved goldthread
17. Wild columbine
18. Red bane-berry
19. Sweet-scented water-lily
20. Yellow pond-lily
21. Pitcher plant
22. Blood-root.
23. Climbing fumitory
24. Golden corydalis.
25. Pale corydalis.
26. Water-cress.
27. Marsh-cress.
28. Tooth wort, pepper root.
29. Cuckoo-flower
30. Common bitter-cress.
31. Rock-cress.
32. Long-podded tower mustard.
33. Straight tower mustard.
34. Winter-cress, yellow-rocket.
35. Hedge mustard.
36. Tansy mustard.
37. Wild pepper-grass
38. Shepherd's-purse
39. American sea-rocket.
40. Sweet white violet.
41. Selkirk violet.
42. Common blue violet.
43. Long-spurred violet.
44. American dog-violet.
45. Canada violet.
46. Downy yellow violet.
47. Round-leaved sundew
48. Narrow-leaved sundew
49. Common grass of Parnassus.
50. Larger grass of Parnassus.
51. Small flowered St. John's-wort.
52. Canadian St. John's-wort.
53. Marsh St. John's-wort.
54. Sleepy catch-fly
55. Night-flowering catch-fly
56. Corn-cockle.
57. Sandwort.
58. Thyme leaved sandwort.
59. Stitchwort.
60. Northern chickweed
61. Larger mouse-ear chickweed
62. Field chickweed.
63. Basswood linden.
64. Wood-sorrel
65. Sheep-sorrel.
66. Herb Robert
67. Spotted touch-me-not.
68. Staghorn sumach
69. Poison ivy poison oak.
70. Fragrant sumach
71. Buckthorn
72. Oval leaved New Jersey tea.
73. Wax-work climbing bitter-sweet.
74. Striped maple.
75. Mountain maple.
76. Sugar maple.
77. Red or swamp maple.
78. Seneca snake-root
79. Bog milk-wort.
80. Flowering wintergreen.
81. Red clover
82. White clover.
83. Milk vetch
84. Cooper's vetch
85. Beach pea.
86. Marsh vetchling.
87. Myrtle-leaved vetchling.
88. Hog pea nut.
89. Wild yellow plum, red plum
90. Sand cherry
91. Wild red cherry
92. Choke cherry
93. Nine bark
94. Common meadow-sweet.
95. Common agrimony
96. Avens.
97. Straight yellow avens.
98. Water or purple avens.
99. Barren strawberry
100. Cinquefoil
101. Silver-weed.
102. Shrubby cinquefoil
103. Marsh five-fingers.
104. Strawberry
105. Long stalked strawberry
106. Dalibarda.
107. Purple flowering raspberry
108. Dwarf raspberry
109. Wild red raspberry
110. Black raspberry thimbleberry
111. Common or high blackberry
112. Swamp rose.
113. Dwarf wild rose.
114. Early wild rose
115. Wild rose.
116. Cock-spur thorn.
117. Choke-berry
118. American mountain ash.
119. June berry shad-bush service-berry
120. Great willow-herb
121. Common small willow-herb.
122. Common evening primrose.
123. Small evening primrose.
124. Water purslane.

125. Nightshade.
126. Mitrella.
127. Mare's-tail
128. Wild gooseberry
129. Smooth wild gooseberry
130. Swamp gooseberry
131. Field currant,
132. Wild black currant.
133. Alum root.
134. Mitre-wort, bishop's cap
135. Little round-leaved ground ivy
136. False mitre-wort.
137. Marsh penny-wort.
138. Sanicle, black snake-root.
139. Cow parsnip.
140. Common parsnip.
141. Spotted cowbane, musquash-root.
142. Smoother sweet cicely
143. Hairy sweet cicely
144. Spikenard.
145. Bristly sarsaparilla, wild elder
146. Wild sarsaparilla
147. Dwarf cornel, bunch-berry
148. Round-leaved cornel.
149. Silky cornel, kinnikinnik.
150. Red-osier dogwood.
151. Alternate leaved-cornel
152. Twinflower
153. Snowberry
154. Small honeysuckle.
155. Hairy honeysuckle.
156. Fly honeysuckle
157. Swamp fly-honeysuckle
158. Bush honeysuckle.
159. Fever-wort.
160. Common elder.
161. Red-berried elder
162. Cranberry-tree.
163. Sweet-scented bedstraw
164. Partridge-berry
165. Wild teasel.
166. Joe-pye weed, trumpet weed.
167. Thoroughwort, bone-set.
168. Sweet colts-foot,
169. Large-leaved aster
170. Heart-leaved aster
171. Dwarf aster.
172. Simple aster.
173. Thin-leaved aster
174. Showy marsh aster
175. Sneeze-wort aster
176. Horse-weed, butter-weed.
177. Fleabane
178. Daisy fleabane, sweet scabious.
179. Daisy fleabane.
180. Golden-rod.
181.
182.
183.
184.
185.
186. Elecampane.
187. Cone-flower
188. Coreopsis.

189. Bur marigold
190. Water marigold
191. Common may-weed
192. Yarrow, milfoil.
193. Canada wormwood.
194. Common everlasting
195. Golden ragwort, squaw-weed
196. Common thistle.
197. Pitcher's woolly thistle.
198. Copse thistle,
199. Swamp thistle
200. [illegible] thistle.
201. Canada thistle.
202. Burdock
203. Canada hawkweed
204. White lettuce.
205. Hawk-weed, rattlesnake root.
206. Dandelion
207. Wild lettuce.
208. False blue lettuce
209. Cardinal flower
210. Kalm's lobelia.
211. Harebell
212. Marsh bellflower
213. Black huckleberry
214. Small cranberry
215. Creeping snowberry
216. Bearberry
217. Trailing arbutus, ground laurel
218. Aromatic wintergreen.
219. Leather-leaf
220. Swamp laurel.
221. Labrador tea.
222. Round-leaved pyrola.
223. Shin-leaf
224. Small pyrola.
225. One-sided pyrola.
226. One-flowered pyrola
227. Prince's pine, pipsissewa.
228. Pine-drops
229. Indian pipe.
230. Pine-sap, false beech drops.
231. Black alder winterberry
232. Common plantain.
233. Bird's eye primrose.
234. Chickweed wintergreen.
235. Loosestrife
236. Tufted loosestrife.
237. Great bladderwort
238. Intermediate bladderwort.
239. Horned bladderwort.
240. Common mullein
241. Monkey flower
242. Culver's-root, Culver's physic.
243. American brooklime
244. Marsh speedwell.
245. Corn speedwell.
246. Rough gerardia.
247. Scarlet painted-cup.
248. Cow-wheat.
249. [illegible]
250. Nettle-leaved or white vervain.
251. Lopseed.
252. Wild mint.
253. Water horehound

254. Calamint.
255. Basil.
256. Wild bergamot.
257. Cat-mint, catnip.
258. Heal-all, self-heal.
259. [illegible]
260. Common skullcap.
261. Mad-dog skullcap.
262. Skullcap.
263. Hemp-nettle.
264. Stickseed.
265. Hound's-tongue.
266. Beggar's lice.
267. Waterleaf.
268. Canadian water-leaf.
269. Hedge bindweed.
270. Common nightshade.
271. Ground cherry.
272. Spurred gentian.
273. Smaller fringed gentian.
274. Soapwort gentian.
275. Buckbean.
276. Spreading dogbane.
277. Indian hemp.
278. Milkweed.
279. Swamp milkweed.
280. White ash.
281. Black ash, water ash.
282. Wild ginger.
283. Lamb's-quarters, pigweed.
284. Strawberry blite.
285. Prince's feather.
286. Water persicaria.
287. Pennsylvania persicaria.
288. Lady's thumb.
289. Smartweed.
290. Knotgrass, goose-grass.
291. Branching joint-weed.
292. Arrow-leaved tear-thumb.
293. Bitter dock.
294. Curled dock.
295. Great water-dock.
296. Field or horse-sorrel.
297. Leatherwood, moosewood.
298. Shepherdia.
299. Bastard toadflax.
300. Vernal water starwort.
301. Slippery or red elm.
302. American or white elm.
303. Tall wild nettle.
304. Wood nettle.
305. Red oak.
306. American beech.
307. Beaked hazelnut.
308. Hop hornbeam, lever-wood, iron-wood.
309. Sweet gale.
310. Paper birch, canoe birch.
311. Yellow birch.
312. Cherry birch, sweet or black birch.
313. Speckled or hoary alder.
314. Hoary willow.
315. Heart-leaved willow.
316. Stalk-fruited willow.
317. American aspen.
318. Large-toothed aspen.
319. Balsam poplar, tacamahac, balm-of-Gilead poplar.
320. Red pine.
321. White pine.
322. Balsam fir.
323. Hemlock spruce.
324. Black or double spruce.
325. White or single spruce.
326. Tamarack, American or black larch, hackmatack.
327. Arbor vitæ, white cedar.
328. Juniper.
329. Red cedar, savin.
330. American yew, ground hemlock.
331. Indian turnip.
332. Water arum.
333. Sweet flag, or calamus.
334. Cat-tail flag.
335. Branching bur-reed.
336. Floating bur-reed.
337. Comb pondweed.
338. Robbins's pondweed.
339. Slender pondweed.
340. Few-flowered pondweed.
341. Flat pondweed.
342. Shield-leaf pondweed.
343. Shining-leaved pondweed.
344. Clayton's pondweed.
345. Arrowgrass.
346. Water plantain.
347. Variable arrow-head.
348. Small northern arrow-head.
349. Waterweed.
350. Tape grass, eel grass.
351. Dwarf orchis.
352. Large round-leaved orchis.
353. Northern green orchis.
354. Northern white orchis.
355. Small purple-fringed orchis.
356. Rattlesnake plantain.
357.
358. Ladies' tresses.
359. Northern tway-blade.
360. Coral-root.
361. Large yellow lady's slipper.
362. Small yellow lady's slipper.
363. Large blue flag.
364. Blue-eyed grass.
365. Nodding trillium, wake robin.
366. Purple trillium, birth-root.
367. Indian cucumber-root.
368. Smaller flowered S. seal.
369. False spikenard.
370. Star lily.
371. Three-leaved smilacina.
372. Two-leaved smilacina.
373. Northern clintonia.
374. Wild leek.
375. Wild orange lily.
376. Smooth green twisted stalk.
377. Rosy flowered twisted stalk.
378. Zygadene.
379. False asphodel.
380. Pickerel-weed.
381. Pipewort.

382. Bulrush.
383.
384. "
385. Many-stemmed cotton-grass.
386. Graceful cotton-grass.
387. Cane sedge.
388. Indian rice, water-oats.
389. Panic-grass.
390. Wood horsetail.
391. Swamp horsetail.
392. Shave-grass, scouring rush.
393. Variegated scouring rush.
394. Small wood rush.
395. Common polypody.
396. Marsh polypody.
397. Woodland polypody.
398. Ostrich fern.
399. Rock brake.
400. Common brake.
401. Maiden-hair.
402. Walking-leaf fern.
403. Hart's tongue.
404. Spleenwort.
405. Green spleenwort.
406. Silvery spleenwort.
407. Spleenwort.
408. Bladder fern.
409. Variable bladder fern.
410. Wood-fern, shield-fern.
411. Wood-fern, shield-fern.
412. "
413. "
414. Wood-fern.
415.
416. Sensitive fern.
417. Flowering fern.
418. Interrupted flowering-fern.
419. Cinnamon fern.
420. Moonwort.
421. Virginian moon-wort.
422. Simple leaved moon-wort.
423. Shining club moss.
424. Club-moss.
425. Ground pine.
426. Common club-moss.
427. Club-moss selaginella.
428. Mossy.
429. Moss.
430.
431. "
432. "
433. Liver-wort.
434. Reindeer moss.
435. Iceland moss.
436. Lichen.
437.
438. Common chara.

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GEOLOGICAL SURVEY OF CANADA,

ALFRED R. C. SELWYN, DIRECTOR.

LIST OF PLANTS

OF THE

MANITOULIN ISLANDS,

LAKE HURON,

BY

JOHN BELL, M.A., M.D.

(Appendix to the Reports of the Geological Survey of the Dominion of Canada, [illegible])

OCT

MONTREAL

1870

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MONTREAL
1870

APPENDIX.

ON THE PLANTS OF THE MANITOULIN ISLANDS

BY

JOHN BELL, M.A., M.D.

The plants whose names are contained in the following list, I collected during the summer of 1867,* while with my brother on a geological exploration of some of the islands of the Manitoulin group. The list is a very incomplete one of the flora of the district examined, as the collection of plants was made entirely subordinate to the proper work of the expedition. I however seized the opportunities afforded at various stations, from Owen Sound northward, to make notes of the local flora and collect specimens in order to ascertain the range of many plants in that interesting region.

Most of the plants were collected on Cockburn, Drummond and St. Joseph Islands, the geological survey of which was the object of the expedition. Some of the smaller islands were also touched at, and a visit to Gore Bay on the north side of Grand Manitoulin Island enabled me to obtain some rare specimens from that point, and from the interior of the island to the south and south-east of it. While detained a few days at Owen Sound previous to starting, I collected plants in different directions, and found several rare species of ferns growing luxuriantly and in abundance on or near the limestone escarpment to the south-west of the town. A number of specimens were also obtained at the Bruce Mines and in the vicinity, on two different occasions.

The physical geography of the several islands mentioned above differs considerably, and with it the vegetation. St. Joseph Island is for the greater part of its extent somewhat elevated, consisting apparently of sand and gravel, covered over with a thin layer of vegetable mould. The land rises gradually from the lake shore towards the middle of the island. Nearly in its centre, however, there is a depression, the bottom of which is occupied by a small lake. On the dry gravelly soil of St. Joseph Island a very heavy growth of hard wood forest was found, consisting of beech, hard maple, hemlock, basswood, black and yellow birch, with a few rather scraggy white pines; while on the lower ground they were almost replaced by black ash, cedar, balm of Gilead and aspen-poplar, balsam fir, elm, mountain-ash, and many small and arborescent shrubs. The red elder was very conspicuous by its abundance and the profusion of its clusters of bright scarlet berries. From the circumstance that this island is immediately in the course of both the American and Canadian steamers and other vessels, large quantities of cord wood are now cut and sold to them. In the future there is no doubt that the forests of this island will be of great value for fire-wood, if not for timber.

A traverse across the island, from Hilton townplot, on the north side, to Richardson's, on the south, was made on the 25th July, so that the plants mentioned as having been found at these places, and in the interior of the island, were collected on that and the following day. The plants from the Bruce Mines were obtained on the 24th July and 28th August. We visited the small island at the east end of St. Joseph on July 28th and Hay Point, on the north side, on the 1st September.

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* See Report by Mr. Robert Bell, page 109.

Drummond Island, the next to the east of St. Joseph, by a southward curve in the international boundary line, is included in the territory of the United States. The level of this island is lower than that of the others, and the land is, to a large extent, flat and marshy, the trees being for the most part small balsams, tamaracks, and spruces. On the south side the island is more hilly than on the north, and on that side heavier forests are met with than on the south, the prevailing trees being hard maple, beech, basswood, ironwood, balsam-fir, poplar and white cedar, with some white pine. In some places the flat limestone rocks come to the surface, and support only a sparse stunted growth of firs, with patches of moss and lichen between, while in others a dense thicket of firs and shrubs covers a swamp or borders a rivulet.

The plants obtained from the south west corner of Drummond Island were collected between the 31st July and 2nd August, and those from the south-east corner on the 4th August, while the collections from Sdgrano Cove, on the north side of the island, were made on the 5th August, and those from Vermont and Medford Boathouse, on the north-west part, on the 30th and 31st August.

From the lake the aspect of the land on Drummond and Cockburn Islands is quite different. High land, covered with hard wood, runs through the centre of Cockburn Island, which lies between Drummond and the Grand Manitoulin, having on the west side of it the False Detour Channel, and on the east the Straits of Mississagui. Towards the shore of the island firs are most numerous. The whole of the forest on this island is much heavier than that of its more level neighbour. The eastern side of the island is undulating or hilly, the valleys running in a south westerly direction. The most notable characteristic of the forest on this island is the quantity of red pine (*Pinus resinosa*) which occurs in it. Few of the trees seen of this species were very large, but in places they are very numerous (particularly in the bay to the east of the south west point of the island), and large enough for making into timber for frames of houses.

Collections of plants were made in this island at the following dates:—South-west point of the island, August 6th; interior and north part of the island, August 6th and 7th; Thompson's Point, August 11th; Sandy Bay, south side, August 15th; McLeod's Harbour and Harcock's Point, on the east side, August 21st; Little Cockburn Island, on the False Detour Channel, August 5th.

Cape Smyth, at the east end of the Grand Manitoulin Island, was visited on the 17th July, and Gore Bay, on the south side of the same island, on the 15th August. The forest south of Gore Bay resembles very much that of Cockburn Island. A good many white-pine trees were seen to the south-west of Gore Bay, and red pine occurs towards Lake Kagawong, and also at the west end of the island. Fires have passed through a large extent of the woods to the south and south-east of Gore Bay, killing the trees and causing them to fall. Lying across one another two or three deep, the interspaces filled up with brushwood and a rank growth of willow herb (*Epilobium angustifolium*), which always abounds in these *brulés*, these bare and charred trees form an almost impassable barrier to the explorer. The marsh at the foot of Gore Bay, and the high cliffs on its east side, afforded a number of rare plants.

Mississagui Island is small, flat, and sandy, with two marshy ponds in its centre, and lies to the north of the straits of the same name. Part of it is covered with trees, and the rest is made up of sand-reaches partially covered with vegetation. It was visited on the 22nd July.

William Island of the charts (locally known as Whiskey Island), at the mouth of Wagaemakong Bay, west end of Grand Manitoulin, was touched at on July 18th and September 15th. This island, like many in the neighbourhood, is low and flat, and is all wooded, with the exception of an open sandy space at its western extremity, on which I found several unusual species of plants, and which from the bones scattered over its surface may have been an Indian burying-place.

In these remote settlements the growth of foreign weeds seems to keep pace with the settlers and even to outstrip them in their advances into the forests. This is to be regretted, as much might be done, by careful selection of seed grain and other means, to exclude many noxious weeds from these new and isolated settlements.

To Professor Asa Gray, of Harvard University, I am much indebted for his kindness in determining the species of several of the plants in the following list:—

RANUNCULACEÆ

1 *Clematis Virginiana*, L.—South of Gore Bay, Grand Manitoulin Island.
2 *Anemone multifida*, DC.—Drummond Island.
3 " *Virginiana*, L.—S. W. extremity of Cockburn Island, and at Sandy Bay, on the north side, Gore Bay, Grand Manitoulin Island.
4 " *Pennsylvanica*, L.—Owen Sound, Mississauga Island, Bruce Mines, middle of St. Joseph Island, S. W. corner of Cockburn Island, Sidgrave's Cove, Drummond Island, Gore Bay.
5. *Hepatica triloba*, Chaix.—McLeod's Harbour, N. end Cockburn Island, Vermont Harbour, Drummond Island.
6. " *acutiloba*, DC.—Owen Sound.
7 *Thalictrum Cornuti*, L.—Owen Sound, Wassatagui Island.
8 *Ranunculus aquatilis*, L., Var. *divaricatus*, Gray.—Owen Sound, Sandy Bay, N. side of Cockburn Island, Gore Bay.
9 " *Flammula*, L., Var. *reptans*, L.—Whiskey or William Island, E. end of Grand Manitoulin Island, Mississauga Island, E. end of St. Joseph Island, Drummond Island, Gore Bay.
10 " *sceleratus*, L.—Owen Sound.
11 " *recurvatus*, Poir.—Owen Sound.
12 " *Pennsylvanicus*, L.—Little Current, Bruce Mines, centre of St. Joseph Island, S. W. corner of Cockburn Island, Gore Bay.
13 " *repens*, L.—Owen Sound, Sidgrave's Cove, Drummond Island, Gore Bay.
14 " *acris*, L.—Bruce Mines.
15 *Caltha palustris*, L.—Owen Sound, border of the lake in the centre of St. Joseph Island, Cockburn Island, Drummond Island.
16 *Coptis trifolia*, Salisb.—Hilton Village or Township, St. Joseph's Island, McLeod's Harbour, Cockburn Island.
17 *Aquilegia Canadensis*, L.—Owen Sound, Sidgreves Cove, Drummond Island, McLeod's Harbour.
18 *Actæa spicata*, L., Var. *rubra*.—Owen Sound, Hilton Lake, centre of St. Joseph Island, Cockburn Island, Drummond Island.
Var. *alba*.—Owen Sound.

NYMPHÆACEÆ

19 *Nymphæa odorata*, Ait.—Sandy Bay, Cockburn Island.
20 *Nuphar advena*, Ait.—Owen Sound, Drummond Island, Thompson Point, N. side of Cockburn Island, McLeod's Harbour.

SARRACENIACEÆ

21 *Sarracenia purpurea*, L.—Drummond Island, McLeod's Harbour, Cockburn Island.

PAPAVERACEÆ

22 *Sanguinaria Canadensis*, L.—Centre of St. Joseph Island.

FUMARIACEÆ

23 *Adlumia cirrhosa*, Raf.—Gore Bay. Growing thirty feet high.
24. *Corydalis aurea*, Willd.—Cockburn Island S.W. corner, and at McLeod's Harbour, E. end.
25. " *glauca*, Pursh.—Richardson's south side St. Joseph Island, S. W. corner and McLeod's Harbour, Cockburn Island, Sledgrave's Cove, Drummond Island.

CRUCIFERÆ

26 *Nasturtium officinale*, R. Br.—Owen Sound. Of large size and growing in great quantities in a spring brook.
27 " *palustre*, DC.—Owen Sound, Whiskey Island, Mississagui Island, Bruce Mines.
28 *Dentaria diphylla*, L.—Owen Sound.
29 *Cardamine pratensis*, L.—Whiskey Island.
30. " *hirsuta*, L.—Cockburn Island. Owen Sound.
31 *Arabis lyrata*, L.—Cockburn Island.
32 *Turritis glabra*, L.—Whiskey Island.
33. " *stricta* Graham.—Whiskey Island, Mississagui Island.
34 *Barbarea vulgaris* R. Br.—Mississagui Island. Richardson's, S. side of St. Joseph Island, Cockburn, Drummond, and Whiskey Islands.
35 *Sisymbrium officinale*, Scop.—Owen Sound.
36 " *canescens*, Nutt.—Whiskey Island.
37 *Lepidium Virginicum*. L.—Owen Sound, Whiskey Island. Little Current.
38 *Capsella bursa-pastoris*, Moench.—Owen Sound. Bruce Mines.
39 *Cakile Americana*, Nutt.—Cockburn Island, S. W. point, and McLeod's Harbour.

VIOLACEÆ

40 *Viola blanda*, Willd.—Middle of St. Joseph Island, McLeod's Harbour, Cockburn Island.
41 " *Selkirkii*, Goldie?—McLeod's Harbour.
42 " *cucullata* Ait.—Owen Sound. St. Joseph Island. Cockburn Island. Gore Bay.
43 " *rostrata*, Pursh?—Owen Sound.
44. " *Muhlenbergii*, Torr.—McLeod's Harbour.
45 " *Canadensis* L.—Owen Sound. centre of St. Joseph Island.
46 " *pubescens* Ait.—Owen Sound. Gore Bay, Vermont Harbour, Drummond Island.

DROSERACEÆ

47 *Drosera rotundifolia*, L.—Drummond Island, S.W. point, and McLeod's Harbour Cockburn Island.
48 " *linearis* Goldie.—In same localities as last.

PARNASSIACEÆ.

49 *Parnassia palustris* L.—Drummond Island.
50 " *Caroliniana*, Michx.—McLeod's Harbour, Cockburn Island, Drummond Island.

HYPERICACEÆ

51 *Hypericum mutilum* L.—Mississagui Island. E. end of St. Joseph Island. Vermont Harbour. Drummond Island.
52 " *Kalmianum*, L.—Whiskey Mississagui, Cockburn and Drummond Islands. Common on the shores.

53. *Elodes Virginica*, Nutt.—Mississagui Island, marsh near a small lake in the middle of St. Joseph Island, Thompson Point and McLeod Harbour Cockburn Island.

CARYOPHYLLACEÆ

54. *Silene antirrhina*, L.—Mississagui Island
55. " *noctiflora*, L.—Bruce Mines Hilton Village.
56. *Agrostemma Githago*, L.—Richardson's, S. side of St. Joseph Island
57. *Alsine Michauxii*, Fenzl.—Drummond Island S.W. point and McLeod's Harbour, Cockburn Island.
58. *Arenaria serpyllifolia*, L.—Owen Sound, Sedgrave Cove, Drummond Island
59. *Stellaria longifolia*, Muhl.—Centre and S. side of St. Joseph Island
60. " *borealis*, Bigelow—Richardson's St. Joseph Island
61. *Cerastium viscosum*, L.—Bruce Mines, Hilton.
62. " *arvense*, L.—Drummond Island.

TILIACEÆ

63. *Tilia Americana*, L.—Owen Sound, centre of St. Joseph Island, Cockburn Island N. side Gore Bay, Vermont Harbour, Drummond Island.

OXALIDACEÆ

64. *Oxalis acetosella*, L.—Owen Sound
65. " *stricta*, L.—Owen Sound

GERANIACEÆ

66. *Geranium Robertianum*, L.—Owen Sound, Whiskey Island, Bruce Mines, Drummond and Cockburn Islands

BALSAMINACEÆ

67. *Impatiens fulva*, Nutt.—Mississagui, Drummond, Cockburn and St. Joseph Islands, Gore Bay

ANACARDIACEÆ

68. *Rhus typhina*, L.—Cape Smyth, E. end of Grand Manitoulin Island, Whiskey Island S.W. point and McLeod's Harbour, Cockburn Island, Mississagui and Drummond Islands
69. " *Toxicodendron*, L., Common.—Cape Smyth McLeod's Harbour, Whiskey Island, Mississagui Island, S.W. points of Drummond and Cockburn Islands.
70. " *aromatica*, Ait.—Whiskey Island. Some years ago I collected this plant on Wolfe Island, opposite Kingston.

RHAMNACEÆ

71. *Rhamnus alnifolius*, L'Her.—Drummond Island, Thompson Point and McLeod's Harbour Cockburn Island.
72. *Ceanothus ovalis*, Bigelow—Gore Bay, Grand Manitoulin Island.—Growing abundantly near the edge of the cliff on the E. side of the bay, near its mouth.

CELASTRACEÆ

73. *Celastrus scandens*, L.—Owen Sound.

SAPINDACEÆ

74 *Acer Pennsylvanicum*, L.—Hilton, S.W. of Cockburn Island, Gore Bay, Vermont Harbor
75 " *spicatum*, Lamb.—Owen Sound, Hilton, Cockburn Island, Gore Bay
76 " *saccharinum*, Wang.—Owen Sound, Hilton, Cockburn Island, Gore Bay, Vermont Harbour
77 " *rubrum*, L.—Centre of St. Joseph Island, E. end of same island, S.W. point of Cockburn Island, Gore Bay

POLYGALACEÆ

78 *Polygala Senega*, L.—Drummond Island, S.E. corner
79 " *polygama*, Walt.—Drummond Island
80 " *paucifolia*, Willd.—Cockburn and Drummond Islands

LEGUMINOSÆ

81 *Trifolium pratense*, L.—Cockburn Island, Owen Sound
82 " *repens*, L.—Owen Sound, Bruce Mines
83 *Astragalus Canadensis*, L.—E. end of Manitoulin Island
84 " *Cooperi*, Gray.—Whiskey Island, Gore Bay
85 *Lathyrus maritimus*, Bigelow.—Hilton, Mississagui Island.
86 " *palustris*, L.—Owen Sound, E. end of Grand Manitoulin Island, lake in the middle of St. Joseph Island, Sidgrave Cove, McLeod's Harbour
87 " *myrtifolius*, Muhl.—Cockburn Island, Gore Bay
88 *Amphicarpæa monoica*, Nutt.—Owen Sound.

ROSACEÆ

89 *Prunus Americana*, Marsh.—Whiskey Island
90 " *pumila*, L.—Common on the shores of Whiskey, Mississagui, Drummond and Cockburn Islands
91 " *Pennsylvanica*, L.—Mississagui Island, Hilton, Whiskey Island, S.W. point, and McLeod's Harbour, Cockburn Island, Sidgrave Cove
92 " *Virginiana*, L.—St. Joseph, Drummond, Mississagui, Cockburn, and Whiskey (or Widiam) Islands.
93 *Spiræa opulifolia*, L.—Whiskey, Mississagui, Drummond, and Cockburn Islands
94 " *salicifolia*, L.—Mississagui Island
95 *Agrimonia Eupatoria*, L.—Owen Sound, E. end of St. Joseph Island
96 *Geum album*, Gmelin.—Owen Sound
97 " *strictum*, Ait.—Owen Sound, Mississagui and Whiskey Islands, Hilton
98 " *rivale*, L.—Owen Sound
99 *Waldsteinia fragarioides*, Tratt.—Cockburn Island and Gore Bay
100 *Potentilla Norvegica*, L.—Owen Sound, Mississagui Island, Hilton, Drummond and Cockburn Islands
101 " *anserina*, L.—Owen Sound, Whiskey Island, Mississagui Island, Bruce Mines, Woods of Drummond Island, Hilton, Cockburn Island, Sidgrave Cove
102 " *fruticosa*, L.—Drummond and Cockburn Islands
103 " *palustris*, Scop.—Mississagui Island, Bruce Mines, Drummond Island, W. side of Sidgrave Cove, Thompson Point.
104 *Fragaria Virginiana*, Ehrhart.—Hilton, Mississagui Island
105 " *vesca*, L.—Owen Sound, Richardson's, St. Joseph Island.

106 *Dalibarda repens*, L ?—Gore Bay. Only the leaves could be found
107 *Rubus odoratus* L.—Middle of St. Joseph Island
108 " *triflorus* Richards.—Hilton, Owen Sound
109 " *strigosus*, Mich.—Owen Sound, Mississagi Island, Bruce Mines, Hilton, Cockburn and Drummond Islands.
110 " *occidentalis* L.—Owen Sound
111 " *villosus* Ait.—Owen Sound, Mississagi Island, Bruce Mines, Hilton
112 *Rosa Carolina* L.—Whiskey Island
113 " *lucida*, Ehrhart.—Cape Smyth
114 " *blanda*, Ait.—Mississagi Island, Cape Smyth, Whiskey Island, centre of St Joseph Island, Drummond and Cockburn Islands
115 " *stricta*, Lindl.—Whiskey Island
116 *Crataegus crus-galli*, L.—Whiskey Island
117 *Pyrus arbutifolia*, L.—Border of the lake in the centre of St. Joseph Island, Thompson Point, Cockburn Island
118 " *Americana*, DC.—Hilton, middle of St. Joseph Island, S.W. point of Cockburn Island
119 *Amelanchier Canadensis*, Torrey & Gray.—Beside a lake in the middle of St Joseph Island, S.W. point of Cockburn Island, Sedgrave Cove, Whiskey Island

ONAGRACEÆ.

120 *Epilobium angustifolium*, L.—Very common and luxuriant throughout these islands, Owen Sound, Mississagi, Whiskey, Drummond and Cockburn Island, Bruce Mines. In the trails or burnt woods S. of Gore Bay this plant grew to the height of six or seven feet, and was so rank and in such quantities as to make walking exceedingly difficult.
121 " *coloratum*, Muhl.—Gore Bay, W. end of Drummond Island, Hilton, Cockburn Island, Bruce Mines, Sedgrave Cove
122 *Œnothera biennis* L.—Owen Sound, Cape Smyth, Whiskey and Mississagi Islands, Sedgrave Cove, S.W. point of Cockburn Island
123. " *pumila*, L.—Mississagi Island
124. *Ludwigia palustris* Ell.—Owen Sound
125 *Circæa alpina*, L.—Owen Sound and Hilton
126 *Myriophyllum spicatum* L.—Sandy Bay
127 *Hippuris vulgaris*, L.—Gore Bay, Vermont Harbour

GROSSULACEÆ.

128. *Ribes Cynosbati*, L.—Owen Sound
129 " *hirtellum*, Michaux.—Mississagi, Cockburn and Drummond Islands, Gore Bay
130 " *lacustre*, Poir.—Owen Sound, middle of St. Joseph Island, S.W. point and McLeod's Harbour, Cockburn Island, Gore Bay
131 " *prostratum*, L'Her.—Owen Sound, Gore Bay
132. " *floridum* L.—Owen Sound, Gore Bay
133 " *rubrum*, L.—Gore Bay, Hilton, Owen Sound

SAXIFRAGACEÆ

134 *Mitella diphylla*, L.—Owen Sound
135 " *nuda* L.—Owen Sound, Hilton, Drummond Island.
136 *Tiarella cordifolia*, L.—Owen Sound.

UMBELLIFERÆ

137 *Hydrocotyle Americana*, L.—Hilton
138 *Sanicula Marilandica* L.—Owen Sound, Sidgrave Cove
139 *Heracleum lanatum*, Michx.—Missisagui Island
140 *Pastinaca sativa*, L.—E. end of St. Joseph Island, W. side of Drummond Island.
141 *Cicuta maculata*, L.—Missisagui Island, S.W. part of Cockburn Island, Sidgrave Cove, Vermont Harbour
142 *Osmorrhiza longistylis* DC.—Owen Sound.
143 " *brevistylis*, DC.—Owen Sound, St. Joseph Island.

ARALIACEÆ,

144. *Aralia racemosa*, L.—Very rank in the middle of St. Joseph Island, Vermont Harbour
145 " *hispida*, Michx.—Missisagui Island, centre of St. Joseph Island, W. side of Cockburn Island
146 " *nudicaulis*, L.—Owen Sound, Hilton S.W. corner of Cockburn Island, Sidgrave Cove, Vermont Harbour, Cape Smyth, Manitoulin Island, E. end

CORNACEÆ

147 *Cornus Canadensis* L.—Owen Sound, Missisagui Island, Bruce Mines, Hilton, Gore Bay, Drummond and Cockburn Islands.
148 " *circinata*, L'Her.—Hilton, W. side of Drummond and Cockburn Islands, Sidgrave Cove, Gore Bay
149 " *sericea*, L.—Small island at E. end of St. Joseph, McLeod's Harbour
150. " *stolonifera*, Michx.—Owen Sound, Whiskey and Missisagui Islands, W. sides of Drummond and Cockburn Islands, Sidgrave Cove, McLeod's Harbour, Thompson Point, Gore Bay
151 " *alternifolia* L.—Gore Bay, Owen Sound

CAPRIFOLIACEÆ

152 *Linnæa borealis*, Gronov.—Missisagui Island, Bruce Mines, W. sides of Cockburn and Drummond Islands, interior of St. Joseph Island,
153 *Symphoricarpus racemosus*, Michx.—Cape Smyth, cliffs on the E. side of Gore Bay, Cockburn Island
154 *Lonicera parviflora*, Lam.—Owen Sound, Missisagui Id., W. side Drummond and Cockburn Ids., McLeod's Hbr., Sidgrave Cove
155 " *hirsuta*, Eaton.—Sidgrave Cove, Owen Sound, Missisagui Id.
156 " *ciliata*, Muhl.—Owen Sound, Little Cockburn Id., Hilton, Thompson Pt., McLeod's Hbr., and W. side Cockburn Id.
157 " *oblongifolia*, Muhl.—Thompson Pt., Sidgrave Cove
158 *Diervilla trifida*, Moench.—Owen Sound, Cape Smyth, Missisagui Id., Bruce Mines, lake in centre of St. Joseph Id., McLeod's Hbr., and S.W. corner Cockburn, Sidgrave Cove
159 *Triosteum perfoliatum*, L.—Owen Sound.
160 *Sambucus Canadensis*, L.—Owen Sound.
161 " *pubens*, Mich.—Owen Sound, Hilton, and throughout St. Joseph Id., being very abundant in some parts of the interior
162 *Viburnum opulus*, L.—Gore Bay, Whiskey Isd.

RUBIACEÆ

163. *Galium triflorum*, Michx.—Owen Sound, Mississagui Id., Bruce Mines, interior St. Joseph Id.
164. *Mitchella repens*, L.—Owen Sound

DIPSACEÆ

165. *Dipsacus sylvestris*, Mill.—Woodstock

COMPOSITÆ

166. *Eupatorium purpureum*, L.—Mississagui Id., interior and S. point St. Joseph Id.; various places in Cockburn and Drummond Ids.
167. " *perfoliatum*, L.—Owen Sound, Whiskey Id., Mississagui Id., Bruce Mines, border of lake in interior St. Joseph Id., W. sides of Cockburn and Drummond Ids., McLeod's Hbr., Hay Pt., S. side St. Joseph Id.
168. *Nardosmia palmata*, Hook.—Drummond and Cockburn Ids.
169. *Aster macrophyllus*, L.—Cape Smyth, interior St. Joseph Id., W. side Cockburn Id., Sidgrave Cove, Vermont Hbr.
170. *Aster cordifolius*, L.—Hay Point, Sidgrave Cove
171. " *miser*, L. Ait.—Hay Point and interior St. Joseph Id., Vermont Hbr.
172. " *simplex*, Willd.—Bruce Mines, Vermont Hbr.
173. " *tenuifolius*, L.—Hay Point
174. " *puniceus*, L.—Hay Point, Bruce Mines, Whiskey Id.
175. " *ptarmicoides*, Torr. & Gr.—Cockburn Island.
176. *Erigeron Canadense*, L.—Bruce Mines, Hilton, Sidgrave Cove, Gore Bay, Cockburn Id.
177. " *Philadelphicum*, L.—Bruce Mines, Owen Sound, Hilton, Cockburn Id.
178. " *annuum*, Pers.—Owen Sound
179. " *strigosum*, Muhl.—With last.
180. *Solidago virgaurea*, L.—McLeod's Hbr.
181. " *altissima*, L.—Bruce Mines.
182. " *Canadensis*, L.—Bruce Mines, Vermont Hbr., Hay Point
183. " *gigantea*, Ait.—Whiskey Id.
184. " *lanceolata*, L.—Bruce Mines, Vermont Hbr., Hay Point.
185. " *Ohioensis*, Riddell.—Cockburn Id., W. side.
186. *Inula Helenium*, L.—Owen Sound
187. *Rudbeckia hirta*, L.—Richardson's, St. Joseph Island
188. *Coreopsis lanceolata*, L.—Rocky shore, McLeod's Hbr.
189. *Bidens chrysanthemoides*, Michx.—Gore Bay
190. " *Beckii*, Torr.—Vermont Harbour
191. *Maruta cotula*, DC.—Bruce Mines
192. *Achillea millefolium*, L.—Williams Id., Mississagui Id., Bruce Mines, W. side Cockburn Id., Sidgrave Cove, Var. *roseum*, Cockburn Id.
193. *Artemisia Canadensis*, Michx.—Cockburn, Mississagui and Whiskey Ids., Bruce Mines.
194. *Gnaphalium polycephalum*, Michx.—Mississagui, Cockburn and St. Joseph Ids., Bruce Mines, Owen Sound
195. *Senecio aureus*, L.—Richardson's, W. side Drummond Id., Var. *oblongifolius*, Cockburn Id.
196. *Cirsium lanceolatum*, Scop.—Hilton
197. " *Pitcheri*, Torr. & Gr.—S.W. corner of Cockburn Id., near Little Cockburn Id.

198 *Cirsium discolor*, Spreng.—Owen Sound.
199 " *muticum*, Michx.—Hilton, small island S.E. of St. Joseph, Gore Bay
200 " *pumilum* Spreng.—Drummond and Cockburn Ids.
201 " *arvense* Scop.—Hilton. Very robust and often growing close to the shore at Hilton as if recently introduced.
202 *Lappa major* Gaertn.—Owen Sound, Bruce Mines.
203 *Hieracium Canadense* Michx.—Bruce Mines, W. side Cockburn Id.
204 *Nabalus albus*, Hook.—Gore Bay
205. " *racemosus* Hook.—Sandy Bay, Cockburn Id
206 *Taraxacum dens-leonis*, Desf.—Owen Sound, Bruce Mines
207 *Lactuca elongata*, Muhl.—Little Cockburn Id.
208 *Mulgedium leucophaeum*, DC.—Owen Sound, Bruce Mines

LOBELIACEÆ

209 *Lobelia cardinalis*, L.—Lobelia Lake, centre of Cockburn Id, McLeod's Hbr
210 " *Kalmii*, L.—Mississagi Id, S.W. corner of St Joseph Id, Sidgrave's Cove, McLeod's Hbr., and S.W. corner of Cockburn

CAMPANULACEÆ

211 *Campanula rotundifolia*, L.—Common on all the islands.
212 " *aparinoides*, Pursh.—Bruce Mines, border of lake in middle of St. Joseph Id, Drummond Island, Gore Bay, Thompson's Point McLeod's Hbr

ERICACEÆ

213. *Gaylussacia resinosa* Torr. & Gr.—Three miles N.W. of McLeod's Hbr
214 *Vaccinium oxycoccus* L.—Cockburn Id
215 *Chiogenes hispidula* Torr. & Gr.—Drummond Id
216. *Arctostaphylos uva-ursi*, Spreng.—Whiskey Id, Mississagi Id, Cockburn Id., Mildrum Bay, Grand Manitoulin Id
217 *Epigaea repens* L.—Drummond Id, W side, Thompson Point, McLeod's Hbr
218 *Gaultheria procumbens* L.—Hilton
219 *Cassandra calyculata*, Don.—Near the small lake in the interior of St. Joseph Id
220 *Kalmia glauca*, Ait.—Drummond Id. var. *rosmarinifolia*. Thompson Point.
221 *Ledum latifolium* Ait.—W. and Drummond Id, McLeod's Hbr
222 *Pyrola rotundifolia*, L.—McLeod's Hbr
223 " *elliptica*, Nutt.—Owen Sound, Hilton, Gore Bay
224. " *chlorantha*, Swartz.—Small island S.E. St. Joseph Id, centre Cockburn Id McLeod's Hbr, Gore Bay
225 " *secunda*, L.—Owen Sound, Gore Bay, Hilton, Cockburn Id
226 *Moneses uniflora*, Gray.—Near S. side St. Joseph Id
227 *Chimaphila umbellata*, Nutt.—Mississagi Id., Hilton, Sidgrave Cove
228 *Pterospora Andromedea*, Nutt.—N.W. point Drummond Id, on the wooded top of a high cliff four miles N. of Gore Bay, Vermont Harbor, three miles N. of McLeod's Hbr. This plant grows in great quantities in many places through the islands.
229 *Monotropa uniflora*, L.—Hilton, Thompson Point, Gore Bay, Hay Pt., S.W. point of Cockburn Id
230 " *hypopitys*, L.—Thompson Pt., Gore Bay

AQUIFOLACEÆ.

231 *Ilex verticillata*, Gray.—Mississagi Id, beside the lake in centre St. Joseph Id, S side of St Joseph Id, Drummond Id, Thompson Point, McLeod's Hbr

PLANTAGINACEÆ

232 *Plantago major*, L.—Owen Sound Gore Bay, Cockburn Id In the interior of St Joseph Id I found several specimens of this plant with a small clasping leaflet half way up the stalk of the spike, like that of a *Parnassia*.

PRIMULACEÆ

233. *Primula farinosa*, L.—Whiskey Id, Mississagui Id, Drummond and Cockburn Ids.
234. *Trientalis Americana*, Pursh—Hilton N.W. point of Cockburn Id
235 *Lysimachia stricta* Ait—Mississagui Id, border of lake middle of St Joseph Id
236 *Naumburgia thyrsiflora*, Reichenb.—W. point Drummond Id

LENTIBULACEÆ

237 *Utricularia vulgaris* L.—Vermont Hbr, Sandy Bay
238. " *intermedia* Hayne—Growing on the muddy shore of a pond a mile W. of Murray Pt., S. side of Cockburn Id
239 " *cornuta*, Michx—Mississagui Id, small island N.E. of St Joseph Id, Cockburn Id

SCROPHULARIACEÆ

240 *Verbascum Thapsus*, L.—Owen Sound Bruce Mines, Hilton
241. *Mimulus ringens* L.—Mississagui Id, Gore Bay, Owen Sound
242 *Veronica Virginica*, L.—Gore Bay
243 " *Americana*, Schwein—Owen Sound Hilton
244 " *scutellata* L. Gore Bay.
245. *arvensis*, L.—Richardson, S side of St. Joseph Id
246 *Gerardia aspera*, Dougl.—Bay S of Burrows Point
247 *Castilleia coccinea*, Spreng.—Common in many places in Drummond and Cockburn Ids., conspicuous along the shore from its intensely bright aerial flowers
248 *Melampyrum Americanum*, Michx—Drummond and Cockburn Ids

VERBENACEÆ

249 *Verbena hastata* L.—Mississagui, St. Joseph and Cockburn Ids, Gore Bay
250 " *urticifolia* L.—Between Owen Sound and Leith
251 *Phryma Leptostachya*, L.—On the S side of the Pottawatamy River Owen Sound

LABIATÆ

252 *Mentha Canadensis*, L.—Mississagui Id, Bruce Mines, Hilton Edgrave Cove, Vermont Hbr, Little Cockburn Id
253 *Lycopus Europaeus*, L.—Vars. *sinuatus* and *integrifolius* Owen Sound, William, Drummond and Cockburn Ids
254. *Calamintha glabella*, Benth—Var *Nuttallii* Gray Common on the shores of Mississagui Cockburn and Drummond Ids
255 " *clinopodium* Benth.—Owen Sound, Williams (or Whiskey) Id. Wequamakong Bay, E end of Grand Manitoulin, W end of Drummond Id. and Edgrave Cove
256 *Monarda fistulosa* L.—Owen Sound
257 *Nepeta Cataria* L.—Owen Sound Interior St Joseph Id
258 *Prunella vulgaris*, L.—Common in all the Manitoulin group of islands
259 *Scutellaria parvula*, Michx.—Whiskey Id, Wequamakong Bay.

260 *Scutellaria galericulata*, L.—Whiskey Id., Mississagui Id., Bruce Mines, border of lake in the interior of St. Joseph Id.

261 " *lateriflora* L.—Cape Smyth, Bruce Mines, Mississagui and Cockburn Ids., Gore Bay

262 " *versicolor*, Nutt?—Owen Sound Hilton, S.W. point Cockburn Id.

263 *Galeopsis Tetrahit*, L.—Bruce Mines Hilton.

BORRAGINACEÆ

264. *Echinospermum Lappula*, Lehm.—Owen Sound, Sidgrave Cove

265 *Cynoglossum officinale* L.—Owen Sound Bruce Mines, Hilton

266 " *Morrisoni*, DC—Owen Sound, Cape Smyth, Whiskey Id., middle of St Joseph Id. Sidgrave Cove

HYDROPHYLLACEÆ.

267 *Hydrophyllum Virginicum* L.—Owen Sound

268 " *Canadense*, L—Owen Sound

CONVOLVULACEÆ.

269 *Calystegia sepium*, R. Br—McLeod's Harbour

SOLANACEÆ

270 *Solanum nigrum*, L.—Richardson's, St Joseph Id., Vermont Hbr., N W corner Drummond Id

271 *Physalis viscosa*, L.—Gravelly bank S W corner Cockburn Id Burnt Wood, Gore Bay

GENTIANACEÆ

272. *Halenia deflexa*, Griseb—Mississagui and Drummond Ids

273 *Gentiana detonsa* Fries.—Drummond and Cockburn Ids Not uncommon on the shores

274 " *saponaria*, L. var *linearis*, Gray—Bruce Mines

275 *Menyanthes trifoliata*, L—Marsh of Mississagui Id S W corner of Drummond Id., Thompson Point.

APOCYNACEÆ.

276 *Apocynum androsæmifolium* L.—Owen Sound, Sidgrave Cove

277 " *cannabinum*, L—Whiskey Id

ASCLEPIADACEÆ.

278 *Asclepias Cornuti* Decaisne—Owen Sound

279 " *incarnata*, L—Whiskey Id., Thompson Point.

OLEACEÆ

280 *Fraxinus Americana*, L.—Owen Sound, Woods and interior of Cockburn Island, Thompson Pt., McLeod's Hbr

281 " *sambucifolia*, Lam.—N [illegible] Cockburn Id.

ARISTOLOCHIACEÆ

282 *Asarum Canadense*, L—Owen Sound

CHENOPODIACEÆ

283 *Chenopodium album*, L.—Richardson's, Vermont Hbr

284. *Blitum capitatum*, L.—Owen Sound, Little Current, Interior of St. Joseph Id.

AMARANTACEÆ

285 *Amaranthus paniculatus*, A.—Bruce Mines

POLYGONACEÆ

286. *Polygonum amphibium*, L —Gore Bay, Vermont Harbour, Hay Point
287 " *Pennsylvanicum*, L —Sidgrave Cove.
288 " *persicaria*, L.—Mississagui Id , Hilton, Gore Bay
289 " *hydropiper* L.—Mississagui Cockburn Id
290 " *aviculare* L.—Owen Sound, Bruce Mines
291 " *ramosissimum* Michx —Drummond Id., Little Cockburn Id , Hay Point
292. " *sagittatum*, L —Bruce Mines.
293 *Rumex obtusifolius* L —Owen Sound, Bruce Mines, St. Joseph Id
294 " *crispus*, L.—Owen Sound Bruce Mines, interior St Joseph Id , Cockburn
295. " *hydrolapathum* (Hudson) var *Americanum*, Mississagui Id , Owen Sound, Bruce Mines Vermont Harbour
296. " *acetosella*, L.—Mississagui Id., Bruce Mines, Hilton

THYMELEACEÆ

297 *Dirca palustris*, L.—Interior Cockburn Id., small Isd. off S.E. point St. Joseph

ELÆAGNACEÆ

298 *Shepherdia Canadensis* Nutt.—Owen Sound, and common throughout these Islands.

SANTALACEÆ

299 *Comandra umbellata*, Nutt —Whiskey and Mississagui Isds , Sidgrave Cove S W. Pt. Cockburn

CALLITRICHACEÆ

300 *Callitriche verna*, L.—Gore Bay

URTICACEÆ

301 *Ulmus fulva*, Michx —Owen Sound, interior St Joseph Id.
302 " *Americana*, L —Sidgrave Cove, Gore Bay
303 *Urtica gracilis*, Ait.—Owen Sound, Hilton.
304 *Laportea Canadensis*, Gaudich.—Owen Sound

CORYLACEÆ

305 *Quercus rubra*, L —St. Joseph and Cockburn Ids.
306 *Fagus ferruginea*, Ait.—Hilton village and throughout St. Joseph Id. interior Cockburn Id , Gore Bay Vermont Harbour.
307 *Corylus rostrata*, Ait.—Hilton, Cockburn Island,
308 *Ostrya Virginica*, Willd.—Hilton interior Cockburn Id.

MYRICACEÆ

309. *Myrica Gale*, L —Mississagui, Drummond, Cockburn and St. Joseph Islands, Bruce Mines.

BETULACEÆ

310 *Betula papyracea*, Ait.—Mississagui Id , Sidgrave Cove, Thompson Pt , Gore Bay S W Pt and interior of Cockburn Id
311. " *excelsa*, Ait.—Owen Sound, interior of St. Joseph and Cockburn Islds.
312 " *lenta*, L —Hilton, Gore Bay

313 *Alnus incana*, Willd.—Bruce Mines, Missisagui Id., Border of Lake St. Joseph Id., McLeod's Hbr and S.W. Pt. Cockburn

SALICACEÆ.

314 *Salix candida*, Willd.—Common marshy grounds, St. Joseph, Cockburn and Drummond Ids.

315 " *cordata*, Muhl.—Sand reaches, S. side Cockburn Id.

316 " *petiolaris*, Pursh.—Sand Bay.

317 *Populus tremuloides*, Michx.—Gore Bay, Missisagui Id., Mildrum Bay, St. Joseph Id., Sedgrave Cove, Vermont Hbr.

318 " *grandidentata*, Michx.—Gore Bay, St. Joseph, Cockburn and Drummond Id.

319 " *balsamifera*, L.—Same localities as last.

CONIFERÆ

320 *Pinus resinosa*, Ait.—Common throughout Cockburn Id., Sedgrave Cove, Drummond Id., Gore Bay

321 " *strobus*, L.—Missisagui, St. Joseph, Drummond, Cockburn Ids., Gore Bay

322 *Abies balsamea*, Marshall.—Missisagui Id., and on all the Manitoulin group

323 " *Canadensis*, Michx.—St. Joseph Id., some trees three feet in diameter, Cockburn Id., Gore Bay

324 " *nigra*, Poir.—Cockburn Id.

325 " *alba*, Mich.—Interior St. Joseph Id., northern part Cockburn Id., Gore Bay, Whiskey Id.

326 *Larix Americana*, Michx.—Bruce Mines, S. end St. Joseph Id., Cockburn Id., McLeod Hbr., Vermont Hbr., Meldrum Bay

327 *Thuja occidentalis*, L.—Common from the Grand Manitoulin Id. to Bruce Mines.

328 *Juniperus communis*, L.—Drummond Id., S. W. point and McLeod's Hbr., Cockburn Id.

329 " *Virginiana*, L. Var. *humilis*,—Woodsides Drummond and Cockburn Ids.

330 *Taxus baccata*, L., Var. *Canadensis*, Gray.—Owen Sound, Missisagui Id., Hilton, Little Cockburn Id., Gore Bay, Vermont Hbr.

ARACEÆ

331 *Arisæma triphyllum*, Torr.—Owen Sound, St. Joseph Id.

332 *Calla palustris*, L.—Hilton

333 *Acorus calamus*, L.—Gore Bay, Vermont Harbor

TYPHACEÆ.

334 *Typha latifolia*, L.—Missisagui Id., S. end St. Joseph, Gore Bay

335 *Sparganium ramosum*, Hudson.—Head of Gore Bay.

336 " *natans*, L., Var. *affine*, Fries.—Vermont Harbor

NAIADACEÆ.

337 *Potamogeton pectinatus*, L.—Sandy Bay, N. side Cockburn Id.

338 " *Robbinsii*, Oakes.—Same place as last.

339 " *pusillus*, L.—With the above in a small sheltered nook of Sandy Bay

340 " *gramineus*, Pursh.—Gore Bay

341 " *compressus*, L.—Hay Point.

342 " *perfoliatus*, L.—Sandy Bay

343 " *lucens*, Var. *fluitans*, Roth.—Gore Bay

344 " *heterophyllus*, Schreber.—Sandy Bay

ALISMACEÆ

345 *Triglochin maritimum* L.—Drummond Id., McLeod's Hbr., Cockburn Id
346 *Alisma Plantago* L.—Owen Sound
347 *Sagittaria variabilis* Engelmann Vars. *gracilis obtusa*, etc.—Owen Sound, Gore Bay, Little Cockburn Id.
348 " *calycina*, Engelm.—Growing at the entrance of a small creek at Gore Bay

HYDROCHARIDACEÆ

349 *Anacharis Canadensis*, Planchon.—Sandy Bay
350 *Vallisneria spiralis* L.—Gore Bay, Vermont Hbr.

ORCHIDACEÆ

351 *Platanthera obtusata*, Lindl.—St. Joseph and Drummond Ids.
352 " *orbiculata*, Lindl.—Hilton, Drummond Id., Cockburn Id
353 " *hyperborea*, Lindl.—Lake interior St. Joseph Id., S.W. side Drummond Id., Thompson Pt., McLeod Hbr
354 " *dilatata*, Lindl.—Drummond Id., W. side Thompson Pt.
355 " *psycodes*, Gray.—Owen Sound, Drummond Id., Thompson Pt., McLeod Hbr.
356. *Goodyera repens*, R. Br.—Sidgrave Cove, Thompson Pt., Gore Bay
357 " *pubescens*, R. Br.—Interior St. Joseph Id., Thompson Point, Gore Bay
358 *Spiranthes cernua*, Richard.—Drummond Id., McLeod's Hbr
359 *Listera convallarioides* Hook.—Hilton, W. side Cockburn Id
360 *Corallorhiza multiflora*, Nutt.—Owen Sound, Cockburn Id
361 *Cypripedium pubescens*, Willd.—Cockburn Id
362 " *spectabile*, Swartz.—Thompson Pt.

IRIDACEÆ

363. *Iris versicolor*, L.—Owen Sound, Mississagi Id., Bruce Mines, Cockburn Id
364 *Sisyrinchium Bermudiana* L.—Bruce Mines, Cockburn Id

SMILACEÆ

365 *Trillium cernuum*, L.—Interior St. Joseph Id., Gore Bay
366 " *erectum*, L.—St. Joseph Id
367 *Medeola Virginica*, L.—Owen Sound, Hilton

LILIACEÆ

368 *Polygonatum biflorum*, Ell.—Hilton.
369 *Smilacina racemosa*, Desf.—Owen Sound, Hilton, Gore Bay, McLeod Hbr
370 " *stellata*, Desf.—Mississagi Id., West side and Sidgrave Cove, Drummond Id., Cockburn Id.
371 " *trifolia*, Desf.—Bruce Mines, Hilton, Thompson Pt., Gore Bay, McLeod Harbor
372 " *bifolia*, Ker.—Mississagi Id., Cockburn Id.
373 *Clintonia borealis*, Raf.—Owen Sound, Mississagi and Cockburn Ids., Hilton
374. *Allium tricoccum* Ait.—Owen Sound
375 *Lilium Philadelphicum*, L.—West side of Cockburn Id., McLeod's Hbr.

MELANTHACEÆ

376 *Streptopus amplexifolius*, D. C.—Hilton
377 " *roseus*, Michx.—Owen Sound, Hilton
378 *Zygadenus glaucus*, Nutt.—Island Hbr., Drummond Id., Cockburn Id

373 *Tofieldia glutinosa*, Willd—Fairview Harbor, Drummond Id., Thompson Pt., McLeod's Hbr.

PONTEDERIACEÆ

380 *Pontederia cordata*, L—Small N E corner St Joseph Isd., Vermont Harbor

ERIOCAULONACEÆ

381 *Eriocaulon septangulare*, Withering—Hay Point, S. side St Joseph Isd Very abundant

CYPERACEÆ

382 *Scirpus acicularis*, L—Gore Bay
383 " *caespitosus*, L—Thompson Pt
384 " *pungens*, Vahl.—Hay Point.
385 *Eriophorum polystachyon*, L—Mississagua Id.
386 " *gracile*, Koch—Thompson Pt.
387 *Carex aurea*, Nutt.—Whiskey Id

GRAMINEÆ

388 *Zizania aquatica*, L—Vermont Hbr
389 *Panicum capillare*, L—McLeod Hbr

EQUISETACEÆ

390 *Equisetum sylvaticum*, L.—S W side St Joseph's Id Gore Bay
391 " *limosum*, L—Owen Sound, Gore Bay, Hay Pt.
392 " *hyemale* L—Owen Sound Gore Bay
393 " *variegatum* Schleicher—Drummond Id, Cockburn Id, Gore Bay
394 " *scirpoides* Michx—Hilton, Gore Bay, Drummond Id.

FILICES.

395 *Polypodium vulgare*, L.—Owen Sound, McLeod Hbr
396 " *Phegopteris*, L.—Hilton
397 " *Dryopteris*, L—Owen Sound Hilton
398 *Struthiopteris Germanica*, Willd.—Owen Sound Hilton, Gore Bay
399 *Allosorus gracilis* Presl—McLeod Hbr
400 *Pteris aquilina*, L—Common from Owen Sound to the Bruce Mines
401 *Adiantum pedatum* L—Owen Sound
402 *Camptosorus rhizophyllus* Link.—Owen Sound.
403 *Scolopendrium officinarum*, Swartz—Growing in rich soil among loose rocks at the foot of a limestone escarpment, a short distance S W of Owen Sound
404 *Asplenium Trichomanes*, L—Owen Sound, McLeod Hbr
405 " *viride* Hudson—Owen Sound Growing among the moss on the sides of cool moist clefts or gorges in the limestone escarpment mentioned above
406 " *thelypteroides* Michx—Interior St. Joseph Id
407 " *Filix-foemina*, R Br—Whiskey Id, St Joseph Id, Sandy Bay, Gore Bay
408 *Cystopteris bulbifera*, Bernh.—Common from Owen Sound to St Joseph Id.
409 " *fragilis*, Bernh—Owen Sound, Gore Bay, McLeod Hbr
410 *Aspidium Noveboracense* L Willd—Gore Bay
411 " *spinulosum*, Swartz—Owen Sound, Hilton

412 *Aspidium cristatum*, Swartz.—Owen Sound.
413 " *marginale*, Swartz.—Owen Sound.
414. " *acrostichoides*, Swartz.—Owen Sound.
415 " *Lonchitis* Spreng.—With *Scolopendrium officinarum*.—Owen Sound.
416 *Onoclea sensibilis*, L.—Owen Sound, Gore Bay, Hilton.
417 *Osmunda regalis*, L.—Shores of Lake St. Joseph Id., Gore Bay, Thompson Pt., McLeod Bay.
418 " *Claytoniana*, L. (*O. interrupta* Michx.)—Hilton, St. Joseph Id.
419 " *cinnamomea*, L.—Owen Sound.
420. *Botrychium lunarioides* Swartz.—Owen Sound.
421 " *Virginicum*, Swartz.—Mississagua Id., St. Joseph and Cockburn Ids., Gore Bay.
422 " *simplex* Gray.—Small Ids. E. and St. Joseph.

LYCOPODIACEÆ.

423. *Lycopodium lucidulum*, Michx.—Richardson's S. side St. Joseph Id.
424. " *annotinum*, L.—Same locality as last.
425 " *dendroideum*, Michx.—Same place.
426 " *clavatum*, L.—With the last and on Cockburn Id.
427 *Selaginella selaginoides*, Gray.—Parview Cove, Drummond Id.
428 " *apus* Spring.—Whiskey Id., small Ids. E. and St. Joseph, Drummond and Cockburn Ids.

MUSCI.

429 *Climacium Americanum*, Brid.—St. Joseph Id.
430 *Hypnum splendens*, Hedw.—Drummond Id.
431 " *triquetrum*, L.—Island Harbor, Drummond Id.
432 *Leucobryum glaucum*, Hampe.—Drummond Id.

JUNGERMANNIACEÆ.

433 *Marchantia polymorpha*, L.—Owen Sound.

LICHENES.

434 *Cladonia rangiferina*,
435 *Cetraria Islandica*,
436 *Usnea barbata*,
437 " *jubata*,
} Island Harbor, Drummond Id.

CHARACEÆ.

438 *Chara vulgaris*, L.—Gore Bay.

In the above list the initial letters and contractions after the names of the different plants, indicate the authors of the species. L.=Linnæus, DC.=DeCandolle, Pois.=Poiret, Salisb.=Salisbury, Ait.=Aiton, Raf.=Rafinesque, Willd.=Willdenow, R. Br.=Robert Brown, Scop.=Scopoli, Nutt.=Nuttall, Torr.=Torrey, Gr.=Gray, Michx.=Michaux, Muhl.=Muhlenberg, L'Her.=L'Heritier, Lamb.=Lambert, Walt.=Walter, Gmel.=Gmelin, Ehrh.=Ehrhart, Lindl.=Lindley, Ell.=Elliott, Gronov.=Gronovius, Mill.=Miller, Hook.=Hooker, Pers.=Persoon, Spreng.=Sprengel, Benth.=Bentham, Griseb.=Grisebach, Desf.=Desfontaines, Wahl.=Wahlenberg, Bernh.=Bernhardi, Hedw.=Hedwig, etc.

Montreal General Hospital,
August, 1867.

COMMON AMERICAN NAMES OF THE PRECEDING PLANTS

1 Virgin's bower
2 Many-cleft anemone
3 Tall anemone
4 Pennsylvania anemone.
5 Round-lobed hepatica.
6 [illegible]
7 Meadow rue
8 White water-crowfoot.
9 Spear wort.
10 Cursed crowfoot
11 Hooked
12 Bristly
13 Creeping
14 Buttercups.
15 Marsh marigold
16 Three-leaved goldthread
17 Wild columbine
18 Red bane-berry
19 Sweet-scented water-lily
20 Yellow pond-lily
21 Pitcher plant
22 Blood root.
23 Climbing fumitory
24 Golden corydalis
25 Pale corydalis
26 Water-cress
27 Marsh-cress
28 Two leaved pepper-root.
29 Cuckoo-flower
30 Common bitter-cress
31 Rock-cress
32 Long podded tower mustard.
33 Straight tower mustard
34 Winter-cress yellow-rocket.
35 Hedge mustard
36 Tansy mustard
37 Wild pepper-grass
38 Shepherd's-purse
39 American sea-rocket.
40 Sweet white violet.
41 Selkirk's violet.
42 Common blue violet.
43 Long-spurred violet.
44 American dog violet.
45 Canada violet.
46 Downy yellow violet.
47 Round leaved sundew
48 Narrow-leaved sundew
49 Common grass of Parnassus
50 Larger grass of Parnassus.
51 Small flowered St John's-wort.
52 Kalm's St. John's-wort
53 Marsh St. John's-wort.
54 Sleepy catch fly
55 Night-flowering catch fly
56 Corn-cockle.
57 Sandwort.
58 Thyme leaved sandwort
59 Stitchwort.
60 Northern chickweed.
61 Larger mouse-ear chickweed
62 Field chickweed
63 Basswood, linden.
64 Wood-sorrel
65 Sheep-sorrel.
66 Herb Robert
67 Spotted touch-me-not.
68 Staghorn sumach
69 Poison ivy, poison oak
70 Fragrant sumach
71 Buckthorn
72 Oval leaved New Jersey tea
73 Wax work, climbing bitter-sweet
74 Striped maple.
75 Mountain maple
76 Sugar maple
77 Red or swamp maple.
78 Seneca snake-root.
79 Rosy milk wort.
80 Flowering wintergreen
81 Red clover
82 White clover
83 Milk vetch.
84 Cooper's vetch
85 Beach pea
86 Marsh vetchling
87 Myrtle-leaved vetchling
88 Hog pea-nut.
89 Wild yellow plum, red plum
90 Sand cherry
91 Wild red cherry
92 Choke cherry
93 Nine bark
94 Common meadow-sweet.
95 Common agrimony
96 Avens.
97 Straight yellow avens.
98 Water or purple avens
99 Barren strawberry
100 Cinquefoil
101 Silver-weed
102 Shrubby cinquefoil
103 Marsh five-fingers.
104 Strawberry
105 Long stalked strawberry
106 Dalibarda.
107 Purple flowering raspberry
108 Dwarf raspberry
109 Wild red raspberry
110 Black raspberry, thimbleberry
111 Common or high blackberry
112 Swamp rose
113 Dwarf wild rose
114 Early wild rose
115 Wild rose
116 Cockspur thorn
117 Choke-berry
118 American mountain ash
119 June berry, shad-bush, service-berry
120 Great willow-herb
121 Common small willow-herb
122 Common evening primrose.
123 Small evening primrose
124 Water purslane.

125. Nightshade.
126. Milfoil
127. Mare's-tail
128. Wild gooseberry
129. Smooth wild gooseberry
130. Swamp gooseberry
131. Fetid currant.
132. Wild black currant.
133. Red currant.
134. Mitre-wort, bishop's cap.
135. Little round leaved ground ivy
136. False mitre-wort.
137. Marsh penny wort.
138. Sanicle black snake-root.
139. Cow parsnip
140. Common parsnip.
141. Spotted cowbane musquash-root.
142. Smoother sweet cicely
143. Hairy sweet cicely
144. Spikenard
145. Bristly sarsaparilla wild elder
146. Wild sarsaparilla.
147. Dwarf cornel bunch-berry
148. Round-leaved cornel
149. Silky cornel kinnikenalk
150. Red-osier dogwood
151. Alternate leaved-cornel
152. Twinflower
153. Snowberry
154. Small honeysuckle
155. Hairy honeysuckle.
156. Fly honeysuckle
157. Swamp fly-honeysuckle.
158. Bush honeysuckle.
159. Fever-wort.
160. Common elder
161. Red berried elder
162. Cranberry-tree.
163. Sweet-scented bedstraw
164. Partridge-berry
165. Wild teasel
166. Joe-pye weed, trumpet weed.
167. Thorough-wort bone-set.
168. Sweet colts-foot.
169. Large-leaved aster.
170. Heart-leaved aster
171. Dwarf aster
172. Sharp aster
173. Thin-leaved aster
174. Showy marsh aster
175. Sneeze-wort aster
176. Horse-weed, butter-weed
177. Fleabane.
178. Daisy fleabane, sweet scabious.
179. Daisy fleabane.
180. Golden-rod.
181.
182.
183.
184.
185.
186. Elecampane.
187. Cone-flower
188. Coreopsis

189. Bur marigold
190. Water marigold
191. Common may-weed
192. Yarrow milfoil
193. Canada wormwood.
194. Common everlasting.
195. Golden ragwort squaw-weed.
196. Common thistle.
197. Pitcher's woolly thistle.
198. Cape thistle
199. Swamp thistle
200. Pasture thistle.
201. Canada thistle
202. Burdock
203. Canada hawkweed
204. White lettuce
205. Hawk-weed, rattlesnake root.
206. Dandelion
207. Wild lettuce
208. False blue lettuce
209. Cardinal flower
210. Brook lobelia.
211. Harebell
212. Marsh bell flower
213. Black huckle-berry
214. Small cranberry
215. Creeping snowberry
216. Bearberry
217. Trailing arbutus, ground laurel
218. Aromatic wintergreen
219. Leather-leaf
220. Swamp laurel
221. Labrador tea
222. Round leaved pyrola
223. Shin leaf.
224. Small pyrola
225. One-sided pyrola
226. One-flowered pyrola.
227. Prince's pine pipsissewa.
228. Pine-drops.
229. Indian pipe.
230. Pinesap false beech drops.
231. Black alder winterberry
232. Common plantain.
233. Bird's eye primrose.
234. Chick wintergreen.
235. Loosestrife
236. Tufted loosestrife
237. Great bladderwort
238. Intermediate bladderwort.
239. Horned bladderwort.
240. Common mullein
241. Monkey flower
242. Culver's-root, culver's physic.
243. American brooklime.
244. Marsh speedwell
245. Corn speedwell.
246. Rough gerardia.
247. Scarlet painted-cup
248. Cow wheat.
249. Blue vervain
250. Nettle-leaved or white vervain
251. Lopseed.
252. Wild mint.
253. Water horehound

254. Calamint.
255. Basil
256. Wild bergamot.
257. Cat-mint. catnip
258. Heal all self-heal
259. Skullcap
260. Common skullcap
261. Mad-dog skullcap
262. Skullcap.
263. Hemp-nettle.
264. Stick-seed.
265. Hound's-tongue
266. Beggar's lice
267. Waterleaf
268. Canadian water-leaf.
269. Hedge bindweed.
270. Common nightshade.
271. Ground cherry
272. Spurred gentian
273. Same (or fringed gentian.
274. Soapwort gentian
275. Buckbean
276. Spreading dogbane
277. Indian hemp
278. Milkweed
279. Swamp milkweed.
280. White ash.
281. Black ash. water ash
282. Wild ginger
283. Lamb's quarters, pigweed.
284. Strawberry blite.
285. Prince's feather
286. Water persicaria.
287. Pennsylvanian persicaria.
288. Lady's thumb
289. Smartweed
290. Knotgrass, goose-grass.
291. Branching jointweed.
292. Arrow-leaved tear-thumb.
293. Bitter dock.
294. Curled dock
295. Great water-dock
296. Field or horse-sorrel
297. Leatherwood. moosewood
298. Shepherdia
299. Bastard toadflax
300. Vernal water star-wort.
301. Slippery or red elm.
302. American or white elm
303. Tall wild nettle
304. Wood nettle
305. Red oak.
306. American beech
307. Beaked hazelnut
308. Hop hornbeam lever-wood iron-wood.
309. Sweet gale
310. Paper birch canoe birch
311. Yellow birch
312. Cherry birch sweet or black birch.
313. Speckled or hoary alder
314. Hoary willow
315. Heart-leaved willow
316. Stalk-fruited willow
317. American aspen
318. Large-toothed aspen
319. Balsam poplar tacamahac balm-of-gilead poplar
320. Red pine.
321. White pine.
322. Balsam fir
323. Hemlock spruce
324. Black or double spruce.
325. White or single spruce.
326. Tamarack, American or black larch hackmatack
327. Arbor vitæ white cedar
328. Juniper
329. Red cedar savin.
330. American yew ground hemlock
331. Indian turnip
332. Water arum
333. Sweet flag calamus.
334. Cat-tail flag
335. Branching bur-reed
336. Floating bur-reed.
337. Comb pondweed
338. Robbins's pondweed
339. Slender pondweed
340. Few-flowered pondweed.
341. Flat pondweed
342. Shield leaf pondweed
343. Shining-leaved pondweed
344. Clayton's pondweed
345. Arrow-grass
346. Water plantain
347. Variable arrow head
348. Small northern arrow-head.
349. Waterweed.
350. Tape-grass eel grass.
351. Dwarf orchis.
352. Large round-leaved orchis.
353. Northern green orchis
354. Northern white orchis
355. Small purple fringed orchis.
356. Rattlesnake plantain.
357. "
358. Ladies' tresses.
359. Northern tway blade.
360. Coral root.
361. Large yellow lady's slipper
362. Small yellow lady's slipper
363. Large blue flag
364. Blue-eyed grass
365. Nodding trillium, wake robin.
366. Purple trillium, birth-root.
367. Indian cucumber-root
368. Smaller Solomon's seal
369. False spikenard.
370. Star lily
371. Three-leaved smilacina.
372. Two-leaved smilacina
373. Northern clintonia
374. Wild leek
375. Wild orange lily
376. Smooth green twisted stalk
377. Rosy flowered twisted stalk.
378. Zygadenus
379. False asphodel
380. Pickerel-weed.
381. Pipewort.
382. Fal
383.
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408. Ela
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382. Bulrush
383.
384. "
385. Many-stemmed cotton-grass
386. Graceful cotton-grass.
387. Cane sedge.
388. Indian rice water-oats.
389. Panic-grass
390. Wood horsetail
391. Swamp horsetail.
392. Shave-grass, scouring rush
393. Variegated scouring rush.
394. Small wood rush.
395. Common polypody
396. Marsh polypody
397. Woodland polypody
398. Ostrich fern
399. Rock brake
400. Common brake.
401. Maiden hair
402. Walking leaf fern
403. Hart's tongue
404. Ebony spleenwort.
405. Green spleenwort.
406. Silvery spleenwort.
407. Spleenwort.
408. Bladder fern
409. Variable bladder fern.
410. Wood-fern shield-fern.
411. Wood-fern shield-fern.
412. "
413. "
414. Wood-fern, "
415. "
416. Sensitive fern.
417. Flowering fern
418. Interrupted flowering-fern
419. Cinnamon fern.
420. Moonwort
421. Virginian moon-wort.
422. Simple leaved moon-wort
423. Shining club moss
424. Club-moss
425. Ground pine
426. Common club-moss.
427. Club-moss selaginella.
428. Mossy
429. Moss.
430. "
431. "
432. "
433. Liver-wort.
434. Reindeer moss
435. Iceland moss.
436. Lichen.
437.
438. Common chara.

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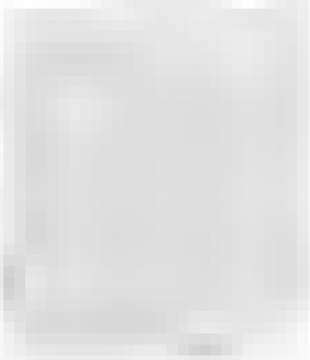

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